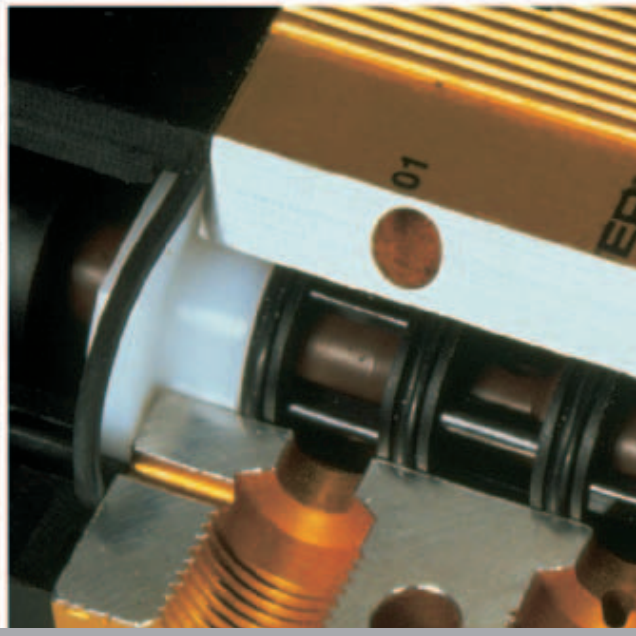
LUCIFER®

General Catalogue Solenoid Valves

3- & 4-way valves for actuator control

Catalogue 8930/GB

CONTENTS ►



Parker

Parker Lucifer SA

Perfect compatibility between a multinational approach and integration into the local industrial community.

Parker Lucifer's Valve Division, manufacturing fluid control solenoid valves and pressure regulators, is located in Carouge-Geneva, Switzerland with manufacturing sites both in Geneva and Gessate near Milan, Italy.

With the multinational structure of the Parker Group we now have support that enables us to face the international market. To date we are represented in over 50 Countries with an established network of distributors in each industrial market open to us. Parker Lucifer is located in Geneva, Switzerland, a European communications and traffic centre.

Mastering technologies in anticipation of your needs.

We aim always to stay a step ahead of our customers' demands. You are looking for someone who has expertise in the latest technology, who has a solid body of know-how and who will participate directly in the development of your products.

Parker Lucifer takes advantage of the developments made in various divisions of Parker Corporation and, in doing so, of all the skills and synergy generated by our Group.

Parker's technology transfer policy provides us with the know-how of a global corporation. You derive direct advantage from this for our expertise in these technologies, which enables us to anticipate your needs.

Total quality and innovation. Our strong points for building the future with you

Quality has now become the essential condition for the survival of a corporation. You know it. We know it.

Your future depends on offering your customers ever more efficient, more reliable products. To do that, you have to be able to rely on first-rate suppliers who share your vision of the future and are capable of understanding your needs.

In order to better meet your demands and to ensure that we can offer you full guarantees of reliability, we have perfected a Total Quality program. At the same time, we pursue a strategy of innovation both in our processes and functions as well as in safety.

Environmental management bears witness to our desire to protect essential values.

Parker Lucifer is committed to respecting and protecting our environment by applying its own solutions. Although not mandatory, the ISO 14001 standards concern the environmental commitment of the company to supply products and service that will help our customers improve environmental quality. It relates to waste reduction, elimination of harmful materials, recycling and development of environment-friendly products. This Certified Management System to ISO 9001 / 14001 will also play a key role as a competitive differentiation in the marketplace.

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Parker Lucifer SA
Fluid Control Division Europe
CH-1227 Carouge-Genève

Parker Lucifer - the experts in fluid control

Welcome to the Parker Lucifer catalogue. It's your entry point to an entire programme of solenoid valves based on the unique Lucifer modular concept. This gives you the widest choice of specifications and options to match your requirements exactly.

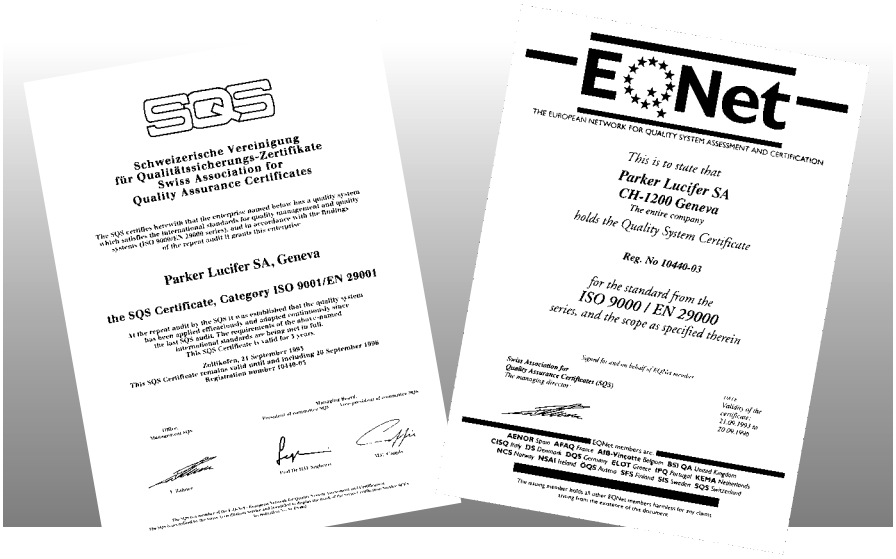
Making business as simple as possible

The catalogue is just one part of a very special kind of supplier-specifier relationship. In short, we want to make doing business as simple as possible. It begins with organising ***products by application*** for the quickest selection of a product for a specified application. It extends to ease of ordering, fast delivery, and additional customer services. All backed by highly qualified support engineers willing and able to discuss your needs and suggest solutions. Work with us, for example, to create customised products; we have a proud record of customer partnership projects resulting in innovative products - and satisfied customers.

The Parker Lucifer

The Parker Lucifer Series products have been designed to offer customers the ultimate in performance. Every valve is engineered for optimal operation, is constructed with modern machinery that use stringent processes, and provides standard features not necessarily offered in any competitive line.

The Parker Lucifer Series portfolio offers a broad range of solenoid valves. Sizes range from G1/8 to G3, with K_V as high as 1385 L/min. Pressure capabilities range up to 100 bar; the whole range is available with various seal materials, such as NBR, FKM, EPDM, PTFE, PCTFE, PUR and Ruby. Brass, stainless steel and plastic valves are available to control a wide variety of air, neutral gases and liquids, water, oils, process fluids and steam.



Availability

With over 750 product listings, the valve you need is probably available from our standard range. What's more, the same valves are ***available from our distributors anywhere in the world.*** So wherever you are you can order with complete confidence.

Thanks to the breadth of our product offering, the flexibility of the modular architecture, and the use of automated manufacturing processes, you can count on the ready availability of the valve you require.

Modular construction ensures that even unusual configurations can be assembled from stock components. It provides a high degree of "mix & match" flexibility with a minimum number of parts, giving Parker Lucifer the ability to quickly deliver a great variety of valves.

Quality assured

Certification by SQS (the Swiss Association for Quality Certification), Category ISO 9001/14001, is formal recognition of Parker Lucifer's commitment to total Quality. It is the outward sign of a company dedicated to customer satisfaction at every level of the organisation. It was first achieved back in 1987, long before Quality certification became an everyday business issue, and Parker Lucifer was one of the first to qualify in Switzerland.

All the approvals you need

A wide range of valves and electrical parts are approved by recognised organisations (BASEEFA in UK, PTB in Germany, LCIE in France, CESI in Italy etc.) and meet CENELEC, IEC, and ISO standards. Lucifer valves are also certified by organisations such as TÜV, VDE, SEV/ASE, UL, CSA, etc.

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How to select your valve

This catalogue has been designed to make selection as easy as possible. The structure allows you to find your valve step by step, beginning with the most basic features and gradually focusing on more and more precise details.

First, decide what kind of valve you want: 2-way, 3-way, pneumatic or special. Then check the contents page and turn to the beginning of the relevant section.

For ease of use, each valve section is divided by application. At the front of the application sub-section you choose, you will find an overview table of the products featured (see sample below).

Using the table as a guide, decide what kind of actuation you want, then go across the columns, choosing the body material, function, connection, orifice size and maximum pressure: this process takes you to the specific page number with your product,

Further technical information to help with specification is given in the final section of the catalogue.

General application valves for dry or lubricated air, neutral gases and liquids 2/2

ACTUATION	BODY MATERIAL	FUNCTION	CONNECTION	ORIFICE (MM)	MAX. PRESSURE (BAR)	PAGE
Direct operated	Brass body	Normally closed	1/8	1.5 to 3	70.0	8
			1/4	1.2 to 5	100.0	8
			3/8	4 to 6	10.0	12
			1/2	8.5 to 11	4.0	12
			SB	1.5 to 3	100.0	14

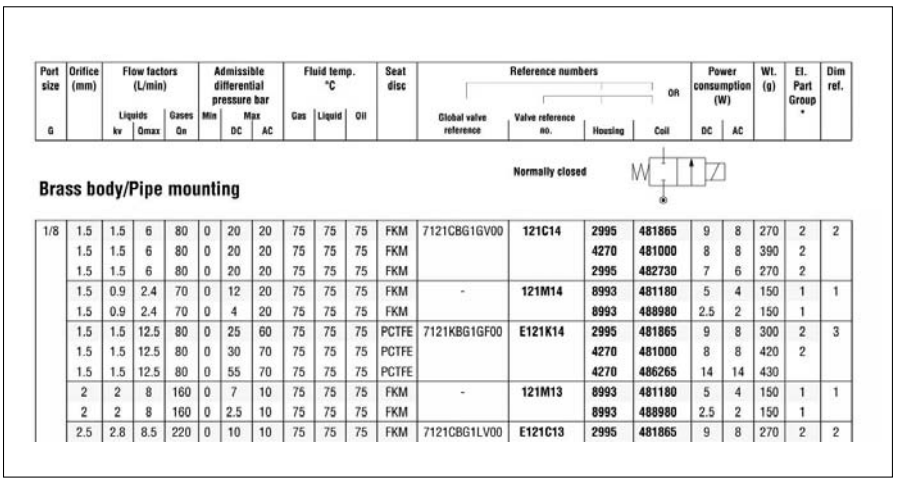
How to order a valve

Normally a complete valve is composed of 3 elements: the valve itself (body + pilot), the coil and the housing. For integrated coil/housings, the housing reference indicates the fixing nut and nameplate.

Two valve body references are indicated in the tables:

- the Lucifer reference
- the global reference

Either reference can be used when ordering. The Global valve reference permits a common numbering system between Lucifer and Skinner products. A complete cross-reference list of valve reference numbers can be found at the end of this catalogue. In both cases, it is necessary to order the coil and housing reference as well.



Port size G	Orifice (mm)	Flow factors (L/min) Liquids kv	Liquids Qmax	Gases Qn	Admissible differential pressure bar Min	Max DC	Max AC	Fluid temp. °C Gas	Liquid	Oil	Seat disc	Reference numbers Global valve reference	Valve reference no.	Housing	Coil	Power consumption (W) DC	AC	Wt. (g)	El. Part Group *	Dim ref.
Brass body/Pipe mounting													Normally closed							
1/8	1.5	1.5	6	80	0	20	20	75	75	75	FKM	7121CBG1GV00	**121C14**	**2995**	**481865**	9	8	270	2	2
	1.5	1.5	6	80	0	20	20	75	75	75	FKM			**4270**	**481000**	8	8	390	2	
	1.5	1.5	6	80	0	20	20	75	75	75	FKM			**2995**	**482730**	7	6	270	2	
	1.5	0.9	2.4	70	0	12	20	75	75	75	FKM	-	**121M14**	**8993**	**481180**	5	4	150	1	1
	1.5	0.9	2.4	70	0	4	20	75	75	75	FKM			**8993**	**488980**	2.5	2	150	1	
	1.5	1.5	12.5	80	0	25	60	75	75	75	PCTFE	7121KBG1GF00	**E121K14**	**2995**	**481865**	9	8	300	2	3
	1.5	1.5	12.5	80	0	30	70	75	75	75	PCTFE			**4270**	**481000**	8	8	420	2	
	1.5	1.5	12.5	80	0	55	70	75	75	75	PCTFE			**4270**	**486265**	14	14	430		
	2	2	8	160	0	7	10	75	75	75	FKM	-	**121M13**	**8993**	**481180**	5	4	150	1	1
	2	2	8	160	0	2.5	10	75	75	75	FKM			**8993**	**488980**	2.5	2	150	1	
	2.5	2.8	8.5	220	0	10	10	75	75	75	FKM	7121CBG1LV00	**E121C13**	**2995**	**481865**	9	8	270	2	2

Therefore please specify:

I. Valve reference **or** Global valve reference
II. Housing
III. Coil
IV. Voltage or voltage code (see tables in the Electrical parts section).

Ordering example:

121K0756-2995-481865-220/50
or
7121KBG2LVMO-2995-481865-220/50

Important : valve, housing or coil can be ordered separately for use as a replacement or spare part.

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CH-1227 Carouge-Genève

Solenoid valves for actuator control

ACTUATION	CONNECTION	ORIFICE (MM)	MAX. PRESSURE (BAR)	PAGE
Direct operated	1/8	1.2 to 1.5	10.0	226
	1/4	1.5 to 5.0	16.0	226
Pilot operated	1/8	4.0	10.0	238/248
	1/4	8.0	10.0	244/250/254
Pilot operated - Integrated pilot	1/8	4.0	10.0	238
	1/4	8.0	10.0	242
Impulse coil	1/8	4.0	10.0	242
Two solenoids and main pressure supply	1/8	4.0	10.0	240/254
	1/4	8.0	10.0	246/252
Two solenoids and main pressure supply - Integrated pilot	1/8	4.0	10.0	240
	1/4	8.0	10.0	246
Pilot operated with external pressure supply	1/8	4.0	10.0	242
External pressure supply	1/8	4.0	10.0	244

Notes:

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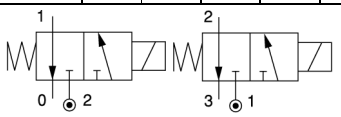
Solenoid valves for actuator control

3/2

Applications

3-way directional valves for control of single acting pneumatic actuators.

Port size G	Orifice (mm)	Flow factors (L/min Qn	Admissible differential pressure bar Min	Max DC	Max AC	Fluid temp. °C Min	Fluid temp. °C Max	Seat disc	Reference numbers: Global valve reference	Valve reference no.	Housing	OR Coil	Power consumption (W) DC	Power consumption (W) AC	Wt. (g)	El. Part Group *	Dim ref.
Direct operated																	
Brass body/Pipe mounting																	
1/8	1.2	50	0	10	10	-10	75	FKM	-	**131M15**	**8993**	**488980**	2.5	2	150	1	14
	(1.5)	(70)	0	10	10	-10	75	FKM			**8993**	**488980**	2.5	2	150	1	
	1.5	70	0	7	7	-10	75	FKM	-	**131M14**	**8993**	**488980**	2.5	2	150	1	14
1/4	1	38	0	10	-	-10	75	FKM	7131KBG2CV90	**131K0490**	**-**	**483580.01** [1]	0.4	-	285	7	77
	1.5	80	0	7	-	-10	75	FKM	7131KBG2GVL5	**131K0480**	**2995**	**482740**	1.6	-	310	6	17
	1.5	80	0	15	15	-10	100	FKM	7131KBG2GVM0	**E131K0450** [2]	**2995**	**481865**	9	8	310	2	17
	1.5	80	0	15	15	-10	120	FKM			**4270**	**481000**	8	8	430	2	
	1.5	80	0	15	15	-10	100	FKM	7131KBG2GV00	**E131K04**	**2995**	**481865**	9	8	310	2	17
	1.5	80	0	15	15	-10	120	FKM			**4270**	**481000**	8	8	430	2	
	2	140	0	10	10	-10	100	FKM	7131KBG2JVM0	**E131K0650** [2]	**2995**	**481865**	9	8	310	2	17
	(2.5)	(220)	0	10	10	-10	100	FKM			**2995**	**481865**	9	8	310	2	
	2	140	0	10	10	-10	120	FKM			**4270**	**481000**	8	8	430	2	
	(2.5)	(220)	0	10	10	-10	120	FKM			**4270**	**481000**	8	8	430	2	
	2	140	0	10	10	-10	100	FKM	7131KBG2JV00	**E131K06**	**2995**	**481865**	9	8	310	2	17
	(2.5)	(220)	0	10	10	-10	100	FKM			**2995**	**481865**	9	8	310	2	
	2	140	0	10	10	-10	120	FKM			**4270**	**481000**	8	8	430	2	
	(2.5)	(220)	0	10	10	-10	120	FKM			**4270**	**481000**	8	8	430	2	



E, K, V Series **T, M Series**

Table continued on page 228

Notes:

* See Electrical Parts Group table at end of section

1. Other coil-housing available: 488650.01, 488660.01, 4888670.01 (refer to electrical parts at end of this section)
2. Manual override standard

Values shown within brackets are valid for exhaust port only.

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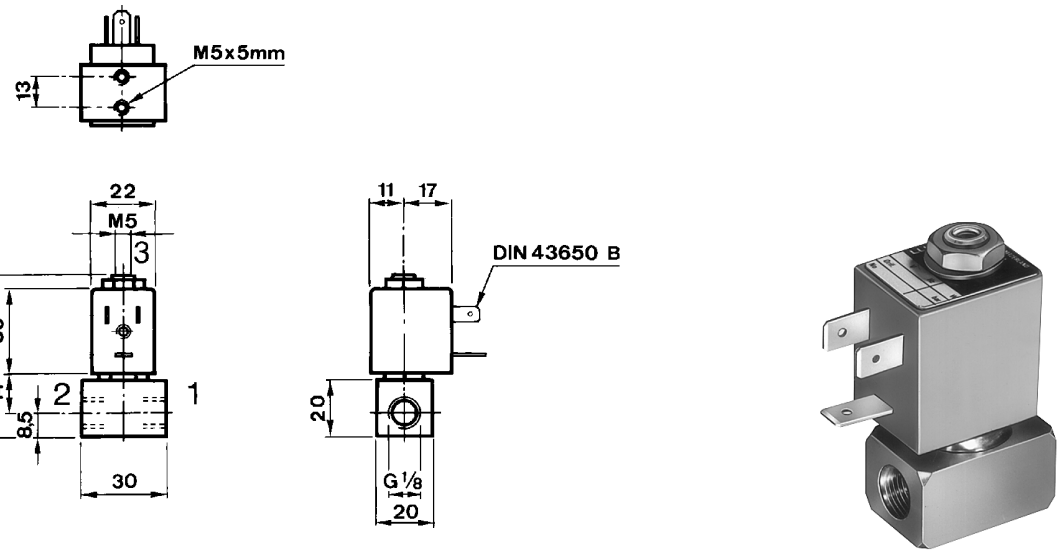
Solenoid valves for actuator control - 3/2 valves - Pipe connection



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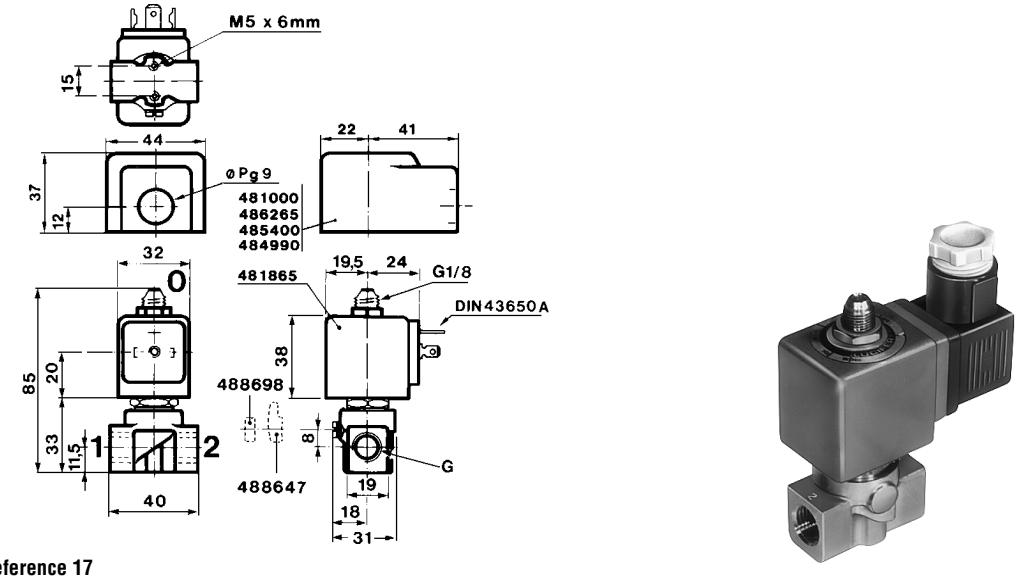
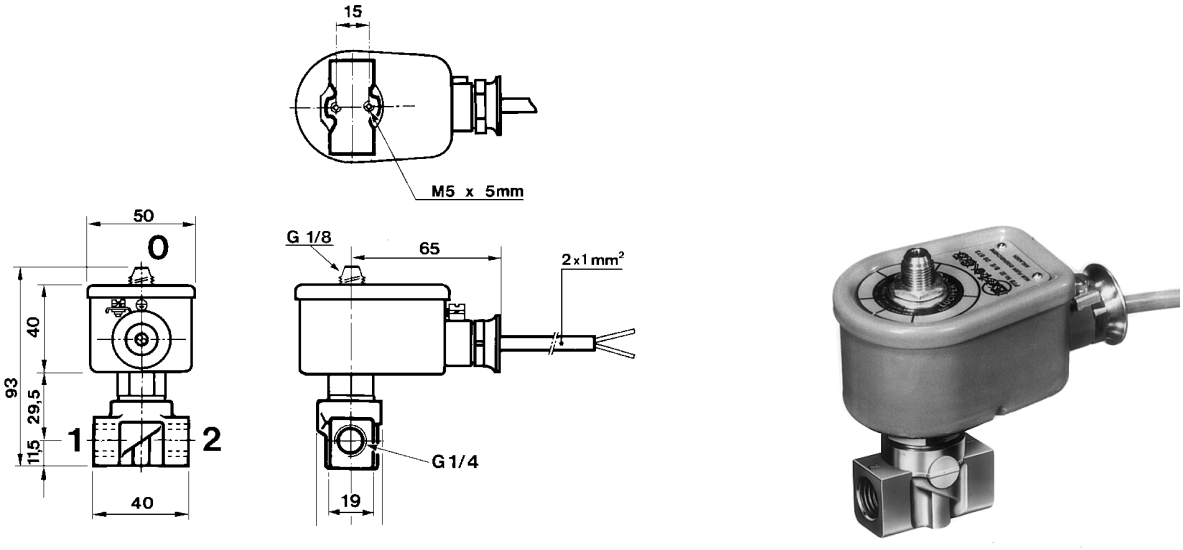


Dimension reference 17



Dimension reference 77

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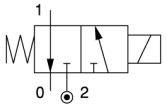
Solenoid valves for actuator control - 3/2 valves - Pipe connection

Port size	Orifice (mm)	Flow factors (L/min	Admissible differential pressure bar			Fluid temp. °C		Seat disc	Reference numbers			OR	Power consumption (W)		Wt. (g)	El. Part Group *	Dim ref.
			Min	Max		Min	Max		Global valve reference	Valve reference no.	Housing	Coil	DC	AC			
G		Qn		DC	AC												

Brass body/Pipe mounting

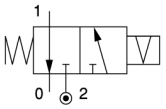
Direct operated



1/4	2	140	0	10	10	-40	80	PUR	7131KBG2JP1D	**E131K06081D** 1	**-**	**483250**	8	8	1255	5	3845
	2.5	220	0	7	7	-10	100	FKM	7131KBG2LVM0	**E131K0350** 2	**2995**	**481865**	9	8	310	2	17
	2.5	220	0	7	7	-10	120	FKM			**4270**	**481000**	8	8	430	2	
	2.5	220	0.1	7	7	-10	75	NBR	7131EBG2LN00	**E131E03**	**2995**	**481865**	9	8	650	2	19
	(6)	(1100)	0.1	7	7	-10	75	NBR			**2995**	**481865**	9	8	650	2	
	2.5	220	0.1	7	7	-10	75	NBR			**4270**	**481000**	8	8	770	2	
	(6)	(1100)	0.1	7	7	-10	75	NBR			**4270**	**481000**	8	8	770	2	
	2.5	220	0	7	7	-10	80	NBR	7131KBG2LV1D	**E131K03001D**	**-**	**483250**	8	8	1255	5	3845
	2.5	220	0	7	7	-40	75	PUR	7131KBG2LP1D	**E131K03081D** 1	**-**	**483250**	8	8	1255	5	3845
	2.5	220	0	7	7	-40	75	PUR	7131KBG2LP00	**E131K0308** 1	**2995**	**481865**	9	8	180	2	17
	2.5	220	0	7	7	-40	75	PUR			**4270**	**481000**	8	8	180	2	
	2.5	220	0	7	7	-40	75	PUR	7131KBG2LPM0	**E131K0358** 2	**2995**	**481865** 1	9	8	180	2	17
	2.5	220	0	7	7	-40	75	PUR			**4270**	**481000** 1	8	8	180	2	

Brass body/Pipe mounting

Direct operated



1/4	1.5	80	0	-	16	-10	100	FKM	7135KBG2GV00	**135K04**	**4269**	**484990**	-	11	450	4	17
	1.5	80	0	16	-	-10	100	FKM			**4269**	**485400**	13	-	450	4	
	2.5	220	0	-	7	-10	100	FKM	7135KBG2LV00	**135K03**	**4269**	**484990**	-	11	450	4	17
	2.5	220	0	7	-	-10	100	FKM			**4269**	**485400**	13	-	450	4	

Table continued on page 230

Notes:

* See Electrical Parts Group table at end of section

1. Operates with low temperatures down to -40 deg. C
2. Manual override standard

Values shown within brackets are valid for exhaust port only.

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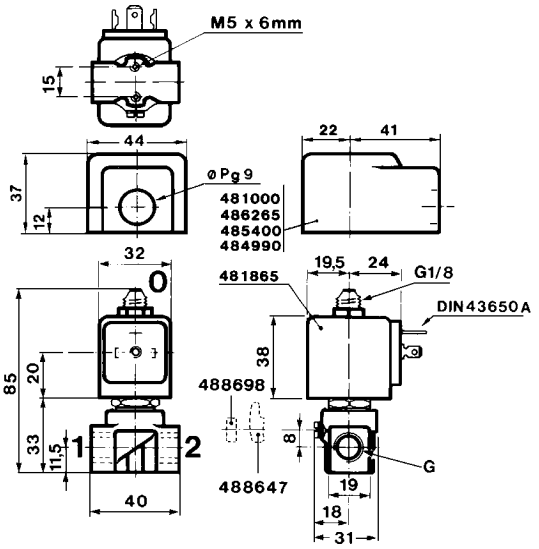
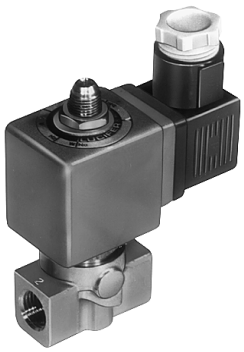
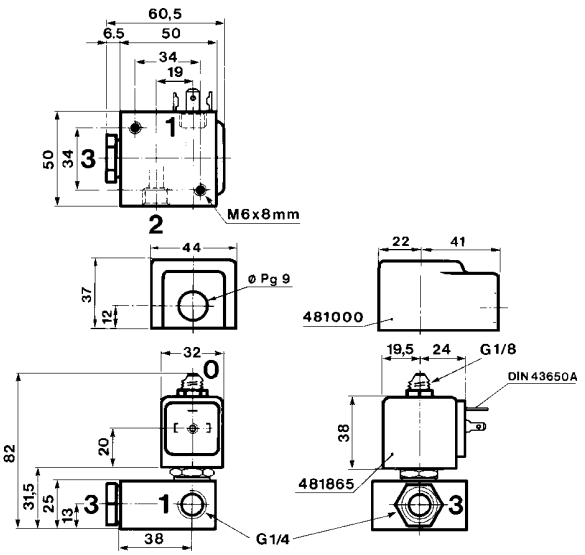
Solenoid valves for actuator control - 3/2 valves - Pipe connection

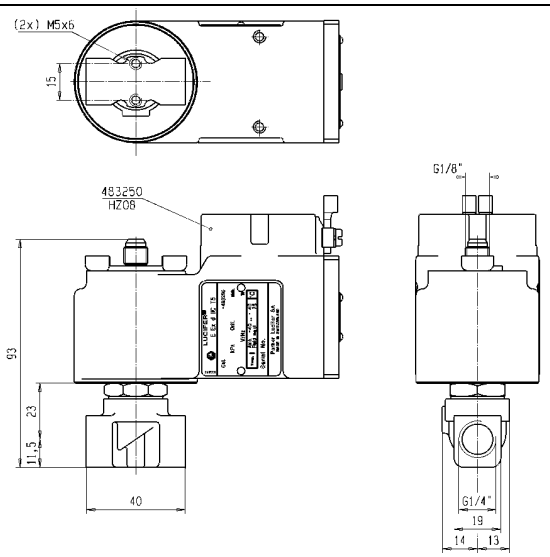




Dimension reference 17



Dimension reference 19



Dimension reference 3845

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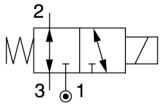
Solenoid valves for actuator control - 3/2 valves - Pipe connection

Port size G	Orifice (mm)	Flow factors (L/min Qn	Admissible differential pressure bar Min	Max DC	Max AC	Fluid temp. °C Min	Fluid temp. °C Max	Seat disc	Reference numbers Global valve reference	Valve reference no.	Housing	OR Coil	Power consumption (W) DC	Power consumption (W) AC	Wt. (g)	El. Part Group *	Dim ref.

Anod. aluminium body/Pipe mounting

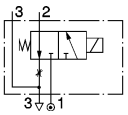
Direct operated



1/4	5	680	0	10	-	-25	65	NBR	-	**133X01** [1]	-	**492965.01** [2]	0.8	-	860	9	83
	5	680	0	10	10	-25	65	NBR			-	**492300** [2]	6	6	860	9	

Anod. aluminium body/NAMUR interface

Direct operated



1/4	5	680	0	10	10	-25	75	NBR	7131XAKLVN00	**131X1101**	-	**492300** [2]	6	6	1000	9	84
	5	680	0	10	-	-25	75	NBR			-	**483330.01** [2]	0.85	-	1000	9	

Notes:

* See Electrical Parts Group table at end of section

1. Optional manual override available on request - add suffix 50 to the basic reference number
2. This reference no. is for the complete electrical part (coil + housing)

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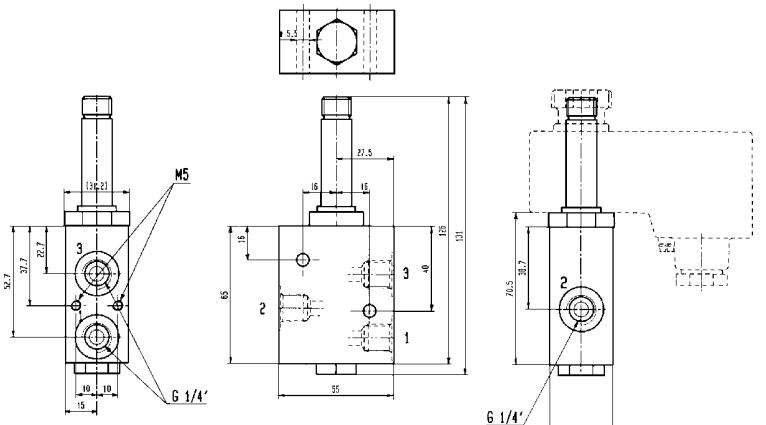
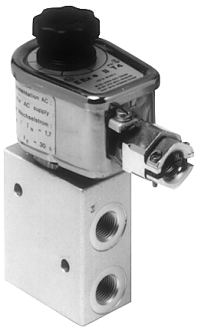
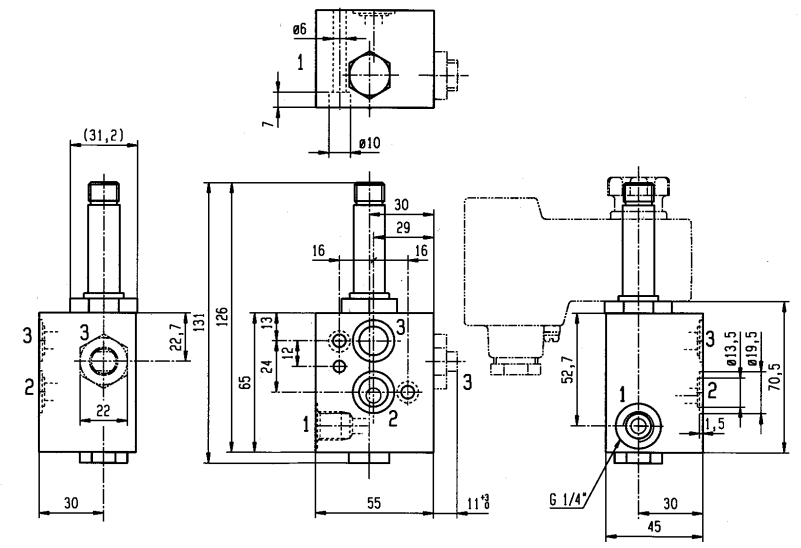
Solenoid valves for actuator control - 3/2 valves - Pipe connection





Dimension reference 83



Dimension reference 84

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Stackable solenoid valves for actuator control 3/2

ACTUATION	CONNECTION	ORIFICE (MM)	MAX. PRESSURE (BAR)	PAGE
Direct operated	6 6 6	1.3 to 1.5	10.0	234
	8 6 8	1.3 to 1.5	10.0	234
	- 6 -	1.3 to 1.5	10.0	234

Notes:

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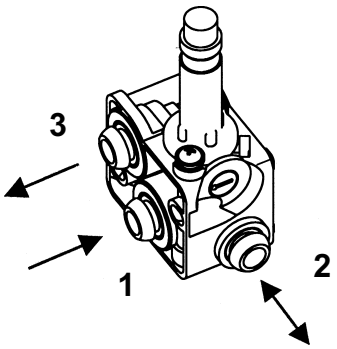
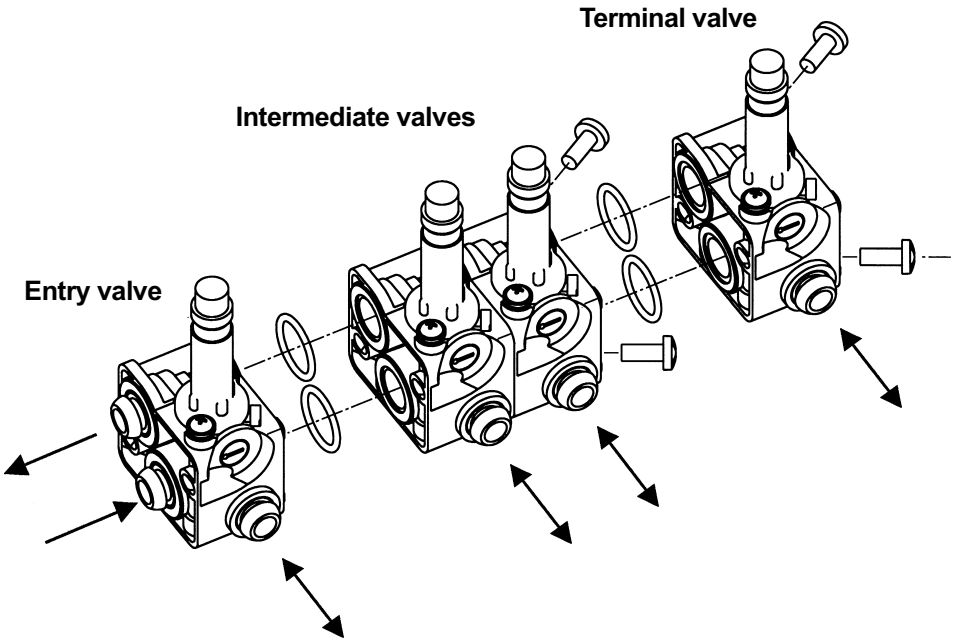
TECHNICAL DATA

Valve function	3/2 solenoid valve, normally closed
Valve design	Direct operated poppet valve.
Mounting	Direct pipe mounting (single valve) by self tapping screws 3.6x16 Battery mounting screws M4x10mm (supplied with the valves) For battery on DIN rail EN50022/35mm kit No. 494205 (fixing plate + screws). For battery mounting: recommended maximum number of valves operating simultaneously: 10 valves for 8 mm / 6 valves for 6 mm
Mounting position	Unrestricted.
Material specifications	Body made of Polyamid PA66 33%GF. Internal parts from stainless steel. Sealing material from synthetic rubber (FKM).
Manual override	Screw driver operated manual override is standard. Horizontal position of the slot on the screw head corresponds to the «closed» valve position; vertical position = «open».
Media	Dry or lubricated air, inert gases
Lubrication	Not required.
Fluid temperature	Min. – 10°C Max. +75°C
Ambient temperature	– 10 °C up to + 50°C.
Voltage tolerance	– 10% to +15% of nominal.
Class of insulation material	Class F 155°C
Solenoid duty	Continuous duty solenoid
Life expectancy	Indicative: 10 Mio. cycles

Single valve



Stackable valves



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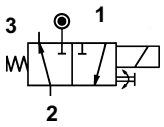
VALVE TYPES OVERVIEW

Push-in Connection Ø (mm)	Orifice (mm)	Qn L/min	Pressure (Bar) min	Pressure (Bar) max	Max media temp. (°C)	Seat Disc Material	**Valve reference**	El. Parts group



SINGLE VALVE

1	**2**	**3**	**1 = Inlet - 2 = user - 3 = exhaust**							
6	6	6	1.5	50	0	7	75	FKM	**2131TNF6GVMS**	**1**
6	6	6	1.3 (1.5)	50 (62)	0	10	75	FKM	**2131TNF6EVMS**	

STACKABLE

Entry Valve

6	6	6	1.5	62	0	7	75	FKM	**2131TNF6GVME**	**1**
8	6	8	1.5	62	0	7	75	FKM	**2131TNF8GVME**	
6	6	6	1.3 (1.5)	50 (62)	0	10	75	FKM	**2131TNF6EVME**	
8	6	8	1.3 (1.5)	50 (62)	0	10	75	FKM	**2131TNF8EVME**	

Intermediate valve

–	6	–	1.5	62	0	7	75	FKM	**2131TNF6GVMI**	**1**
–	6	–	1.3 (1.5)	50 (62)	0	10	75	FKM	**2131TNF6EVMI**	

Terminal valve

–	6	–	1.5	62	0	7	75	FKM	**2131TNF6GVMT**	**1**
–	6	–	1.3 (1.5)	50 (62)	0	10	75	FKM	**2131TNF6EVMT**	

Note: Values shown within brackets are valid for exhaust port only.

ELECTRICAL DATA

Coil Ref. No.	**Coil Order No.**	Protection Class	Power W) DC	Power W) AC	Connection	Housing Ref. No.	**Housing Order No.**	Ambient temperature (°C) min	Ambient temperature (°C) max	El. Parts Group
488980	**DA01**	Without DIN Plug - Class F	2.5	2	DIN Plug	8993	**A0**	– 10	50	**1**
481045	**DA02**	With DIN Plug Class F IP65	2.5	2	DIN Plug	8993	**A0**	– 10	50	
482606	**VA02**	EEx m II T5 – IP65	2.5	2	Cable 1500 mm	–	**–**	– 40	50	

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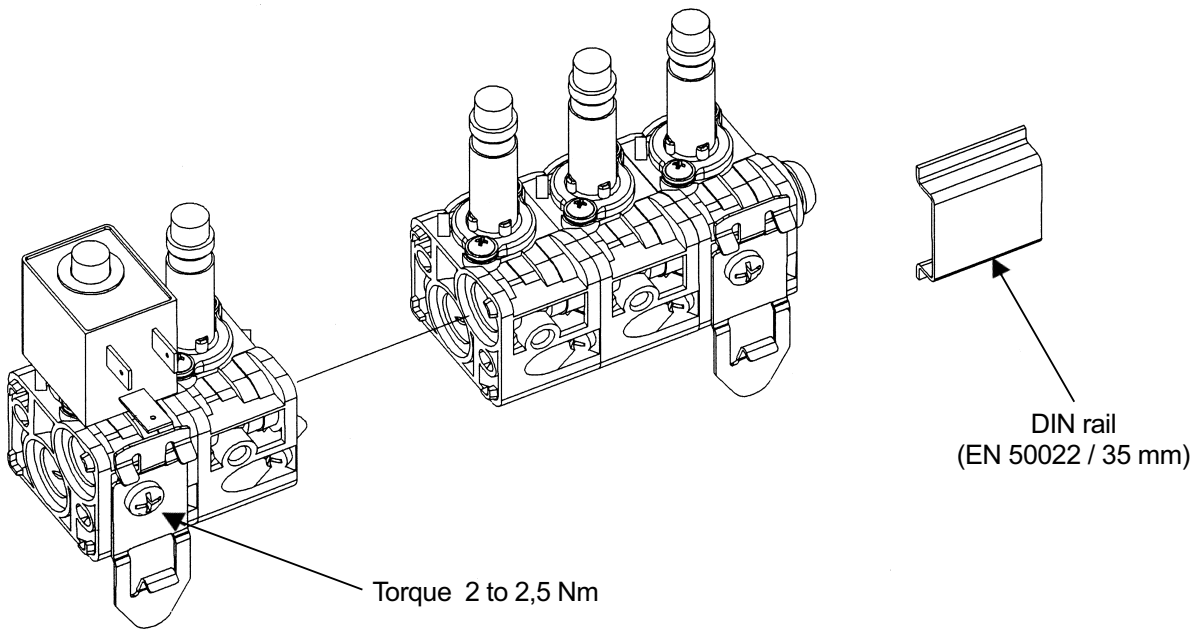
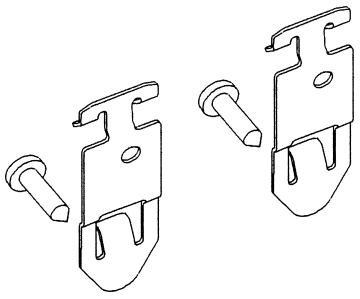
MOUNTING ON DIN RAIL



ACCESSORIES

Fixing kit for DIN rail EN 50022 / 35mm



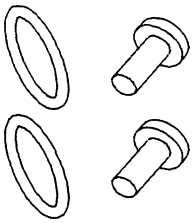
494205

2 x mounting plates
2 x Screws Ø 4.2 x 16

To be ordered separately

SPARE PARTS KIT

Spare parts kit for stackable valve



495102

2 x Screws M4 x 10
2 x O-Rings Øint. 14 x 1.78

Supplied with valves

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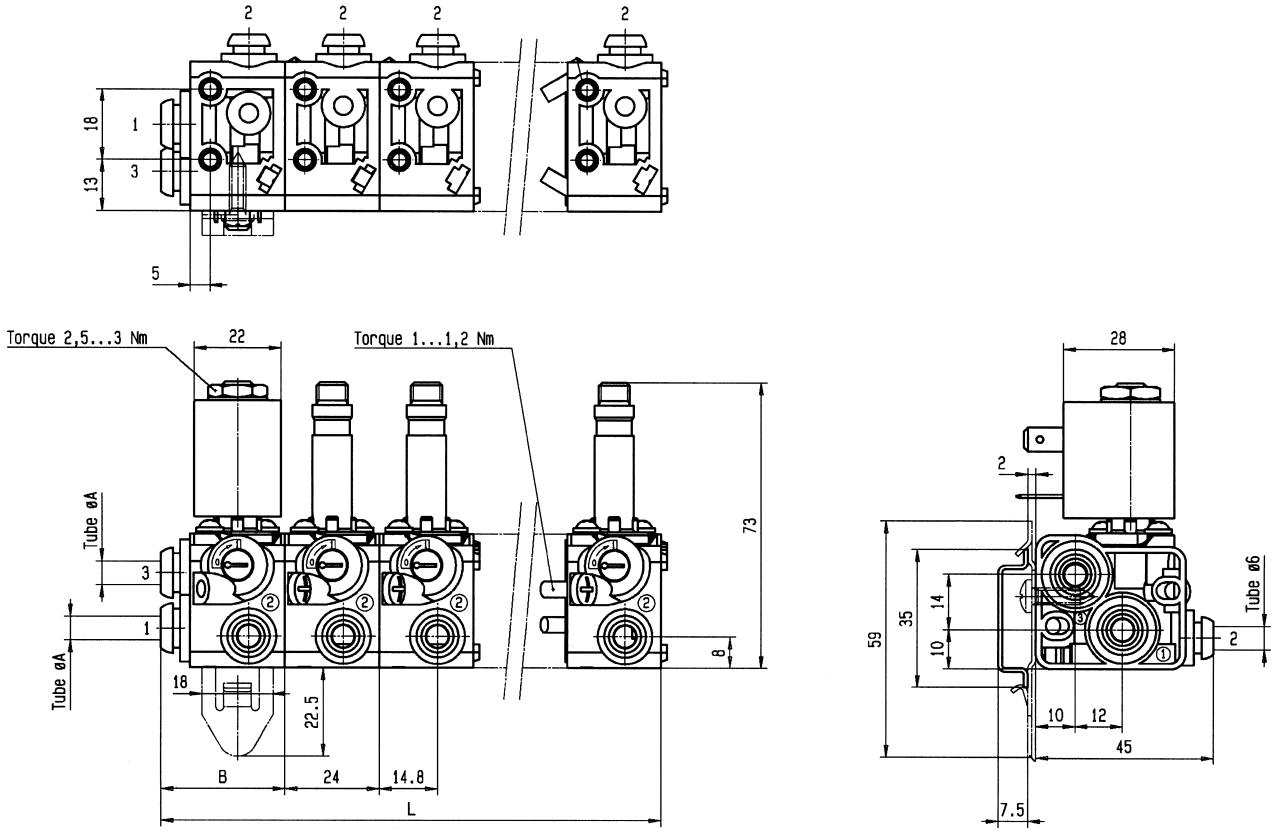
DIMENSIONAL DRAWINGS



Unit weight without coil: 50 g.

Ø A [mm]	6	8
B [mm]	29	34
L [mm]	24 (n-1) + 29	24 (n-1) + 34
n = number of valves, maximum recommended = 10		

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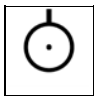
Solenoid valves for actuator control

5/2

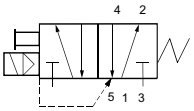
Applications

3- or 4-way directional valves for control of single or double acting pneumatic actuators.



Port size	Orifice (mm)	Flow factors (L/min)	Admissible differential pressure bar			Fluid temp. °C		Seat disc	Reference numbers			OR	Power consumption (W)		Wt. (g)	El. Part Group *	Dim ref.
			Min	Max													
				DC	AC				Global valve reference	Valve reference no.	Housing	Coil	DC	AC			
G		Qn				Min	Max										

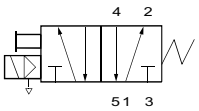
Pilot operated - Integrated pilot



Anod. aluminium body/Pipe mounting - Spool design

1/8	4	600	2	10	10	-25	80	NBR	2341PAG1JNM0	**341P01** 1	**8993**	**488980**	2.5	2	310	1	201

Pilot operated



Anod. aluminium body/Pipe mounting - Spool design

1/8	4	600	2	10	10	-25	80	NBR	7341PAG1JNM0	**341P21**	**2995**	**481865**	9	8	360	2	202
	4	600	2	10	10	-25	80	NBR			**4270**	**481000**	8	8	470	2	
	4	600	2	10	10	-40	65	NBR	7341PAG1JPM0	**341P2108** 2	**2995**	**481865**	9	8	360	2	202
	4	600	2	10	10	-40	65	NBR			**4270**	**481000**	8	8	470	2	
	4	600	2	10	-	-25	80	NBR	7341PAG1JNL2	**341P2180**	**2995**	**482740**	1.6	-	470	6	202
	4	600	2	10	-	-25	80	NBR	7341PAG1JN90	**341P2190**	**-**	**483580.01** 3	0.4	-	470	7	7351

Table continued on page 240

Notes:

* See Electrical Parts Group table at end of section

1. Manual override standard
2. Operates with low temperatures down to -40 deg. C
3. Other coil-housing available: 488650.01, 488660.01, 4888670.01 (refer to electrical parts at end of this section)

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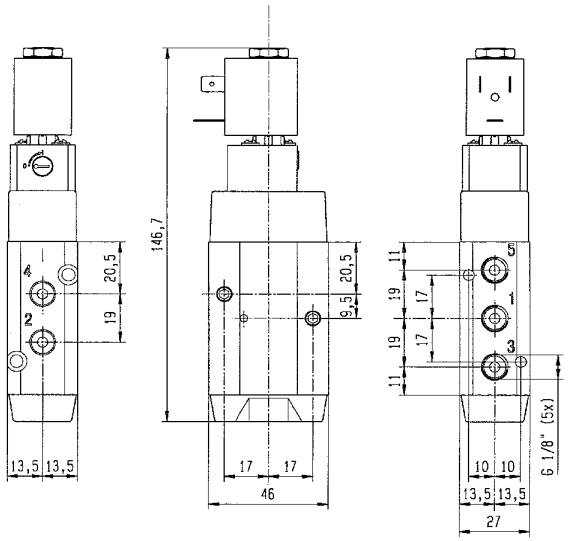
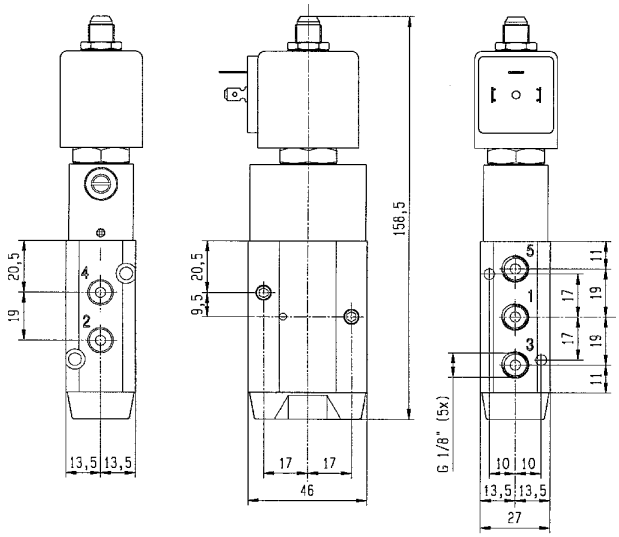
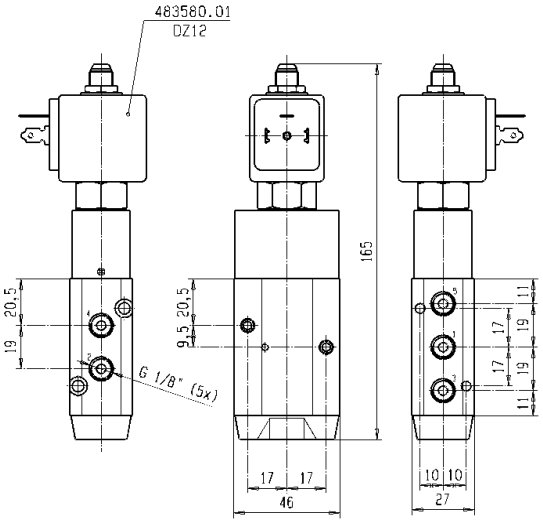
Solenoid valves for actuator control - 5/2 valves - Pipe connection-Spool design



Dimension reference 201



Dimension reference 202



Dimension reference 7351

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Solenoid valves for actuator control - 5/2 valves - Pipe connection-Spool design

Port size G	Orifice (mm)	Flow factors (L/min) Qn	Admissible differential pressure bar Min	Max DC	Max AC	Fluid temp. °C Min	Fluid temp. °C Max	Seat disc	Reference numbers: Global valve reference	Valve reference no.	Housing	OR Coil	Power consumption (W) DC	Power consumption (W) AC	Wt. (g)	El. Part Group *	Dim ref.
Pilot operated																	
1/8	4	600	2	10	10	-25	65	NBR	7341PAG1JN1D	**341P21001D**	**-**	**483250**	8	8	1450	5	7636
Two solenoids and main pressure supply - Integrated pilot																	
1/8	4	400	2	10	10	-25	80	NBR	2347PAG1HNM0	**347P01**	**8993**	**488980** 1	2.5	2	460	1	207
Two solenoids and main pressure supply																	
1/8	4	400	2	10	10	-25	80	NBR	7347PAG1HNM0	**347P21**	**2995**	**481865** 1	9	8	500	2	206
	4	400	2	10	10	-25	80	NBR			**4270**	**481000** 1	8	8	720	2	
Two solenoids and main pressure supply																	
1/8	4	400	2	10	-	-25	80	NBR	7347PAG1HN90	**347P2190**	**-**	**483580.01** 2	0.4	-	720	7	206

Anod. aluminium body/Pipe mounting - Spool design

Anod. aluminium body/Pipe mounting - Spool design

Anod. aluminium body/Pipe mounting - Spool design

Anod. aluminium body/Pipe mounting - Spool design

Table continued on page 242

Notes:

* See Electrical Parts Group table at end of section

1. Please order two housings and coils for each valve
2. Other coil-housing available: 488650.01, 488660.01, 4888670.01 (refer to electrical parts at end of this section)

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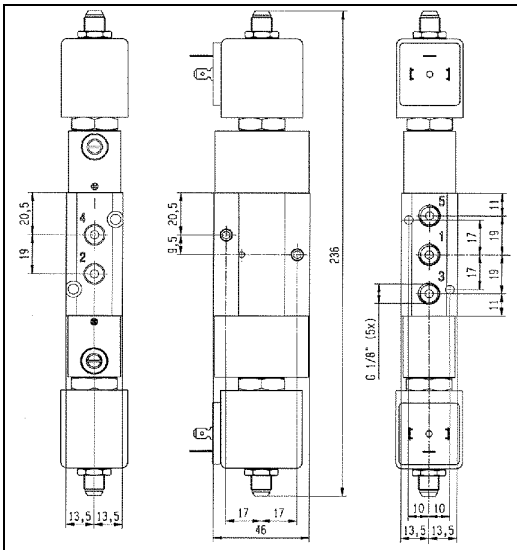
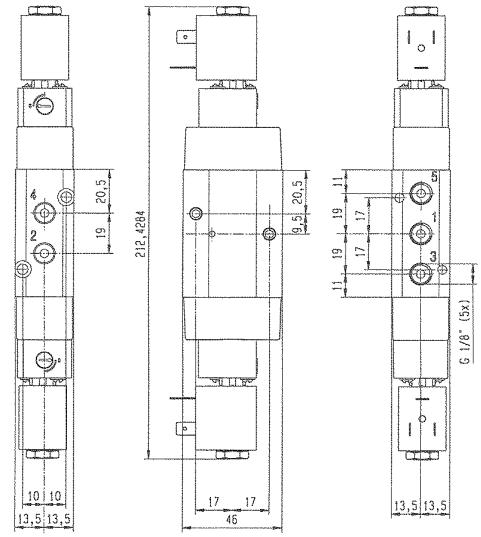
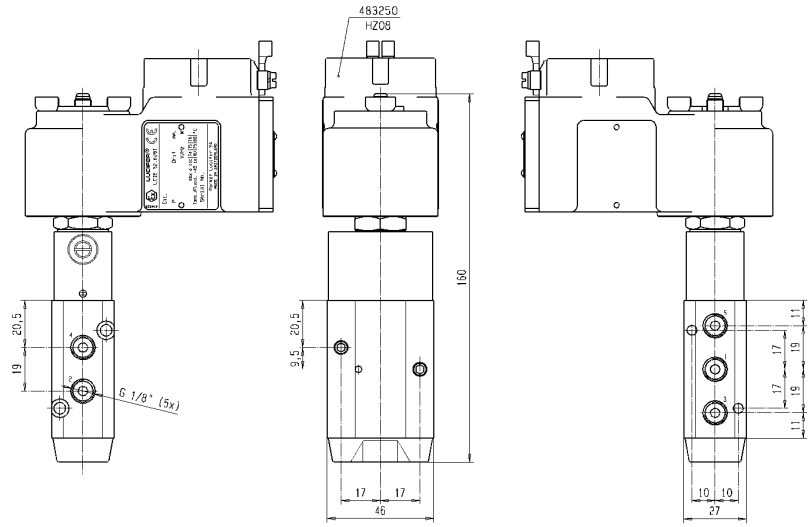
Solenoid valves for actuator control - 5/2 valves - Pipe connection-Spool design



Dimension reference 206



Dimension reference 207



Dimension reference 7636

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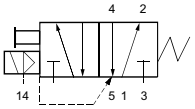
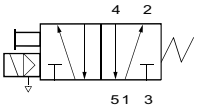
Solenoid valves for actuator control - 5/2 valves - Pipe connection-Spool design

Port size G	Orifice (mm)	Flow factors (L/min) Qn	Admissible differential pressure bar Min	Max DC	Max AC	Fluid temp. °C Min	Fluid temp. °C Max	Seat disc	Reference numbers: Global valve reference	Valve reference no.	Housing	OR Coil	Power consumption (W) DC	Power consumption (W) AC	Wt. (g)	El. Part Group *	Dim ref.
Pilot operated with external pressure supply																	
1/8	4	600	2	10	10	-40	65	NBR	7441PAG1JPM0	**441P2108** 1	**2995**	**481865**	9	8	360	2	204
	4	600	2	10	10	-40	65	NBR			**4270**	**481000**	8	8	470	2	
Impulse coil																	
1/8	4	600	2	-	10	-25	80	NBR	7345PAG1JNM0	**345P21**	**-**	**484990**	-	11	330	4	202
	4	600	2	10	-	-25	80	NBR			**-**	**485400**	13	-	330	4	
Pilot operated - Integrated pilot																	
1/4	8	1400	2	10	10	-25	80	NBR	2341PAG2HNM0	**341P02**	**8993**	**488980**	2.5	2	380	1	224

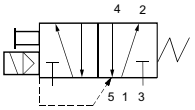
Anod. aluminium body/Pipe mounting - Spool design



Anod. aluminium body/Pipe mounting - Spool design



Anod. aluminium body/NAMUR interface - Spool design



Anod. aluminium body/Pipe mounting - Spool design

Table continued on page 244

Notes:

* See Electrical Parts Group table at end of section

1. Operates with low temperatures down to -40 deg. C

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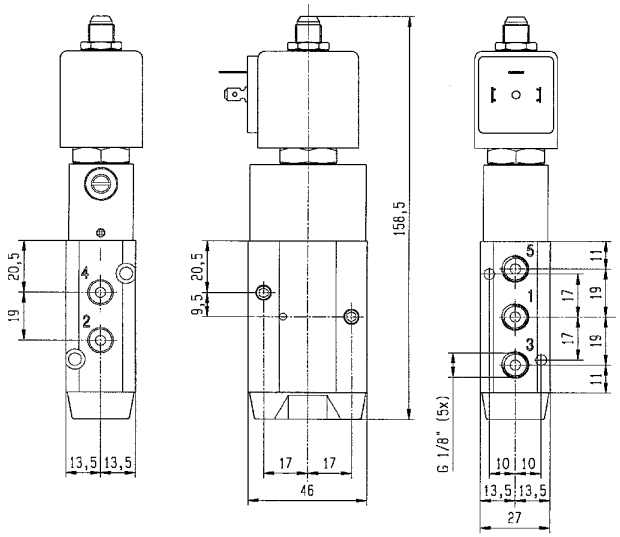
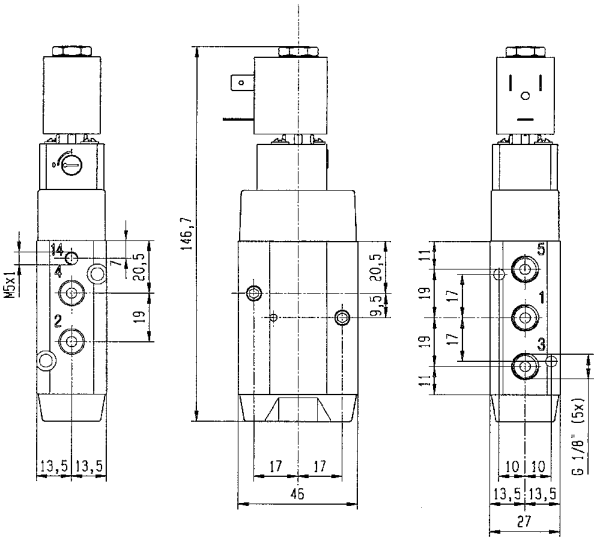
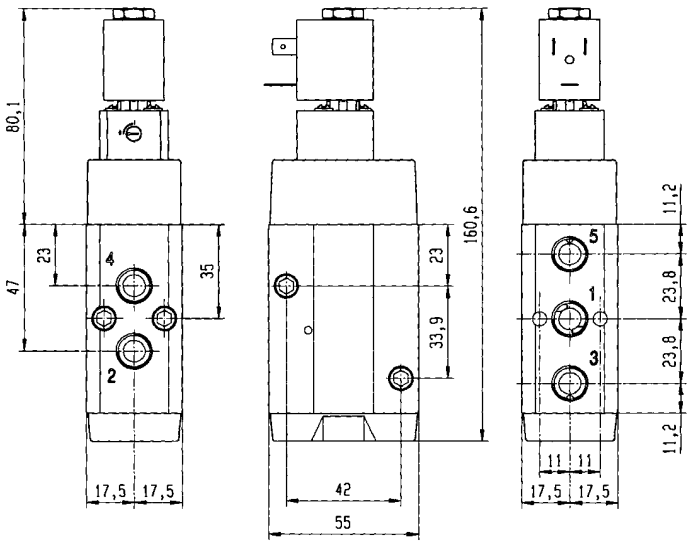
Solenoid valves for actuator control - 5/2 valves - Pipe connection-Spool design



Dimension reference 202



Dimension reference 204



Dimension reference 224

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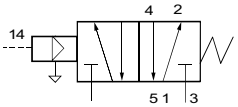
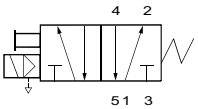
Solenoid valves for actuator control - 5/2 valves - Pipe connection-Spool design

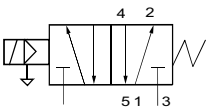
Port size G	Orifice (mm)	Flow factors (L/min) Qn	Admissible differential pressure bar Min	Max DC	Max AC	Fluid temp. °C Min	Fluid temp. °C Max	Seat disc	Reference numbers: Global valve reference	Valve reference no.	Housing	OR Coil	Power consumption (W) DC	Power consumption (W) AC	Wt. (g)	El. Part Group *	Dim ref.
External pressure supply																	
1/8	4	600	2	10	10	-40	65	PUR	7541PAG1JP00	**541P0108** 1	-	-	-	-	270	-	205
Pilot operated																	
1/4	8	1400	2	10	10	-25	80	NBR	7341PAG2PNM0	**341P22**	**2995**	**481865**	9	8	450	2	218
	8	1400	2	10	10	-25	80	NBR			**4270**	**481000**	8	8	560	2	
	8	1400	2	10	-	-25	80	NBR	7341PAG2PNL2	**341P2280**	**2995**	**482740**	1.6	-	450	6	218
	8	1400	2	10	-	-25	80	NBR			-	**491117**	2.5	-	810	6	
Pilot operated																	
1/4	8	1400	2	10	-	-25	80	NBR	7341PAG2PN90	**341P2290**	-	**483580.01** 2	0.4	-	560	7	218



Anod. aluminium body/NAMUR interface - Spool design



Anod. aluminium body/Pipe mounting - Spool design



Anod. aluminium body/Pipe mounting - Spool design

Table continued on page 246

Notes:

* See Electrical Parts Group table at end of section

1. Operates with low temperatures down to -40 deg. C
2. Other coil-housing available: 488650.01, 488660.01, 4888670.01 (refer to electrical parts at end of this section)

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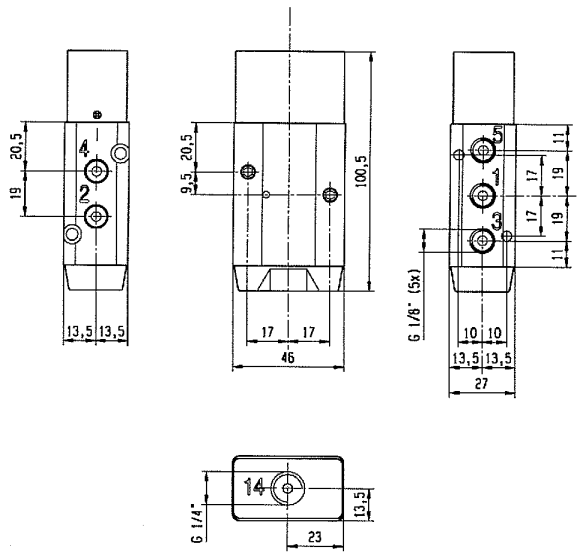
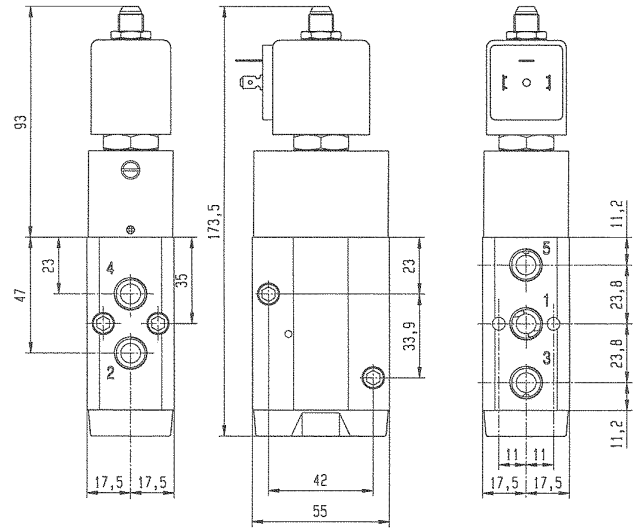
CH-1227 Carouge-Genève

Solenoid valves for actuator control - 5/2 valves - Pipe connection-Spool design



Dimension reference 205



Dimension reference 218

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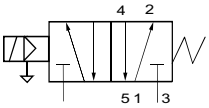
CH-1227 Carouge-Genève

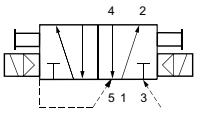
Solenoid valves for actuator control - 5/2 valves - Pipe connection-Spool design

Port size G	Orifice (mm)	Flow factors (L/min) Qn	Admissible differential pressure bar Min	Max DC	Max AC	Fluid temp. °C Min	Fluid temp. °C Max	Seat disc	Reference numbers: Global valve reference	Valve reference no.	Housing	OR Coil		Power consumption (W) DC	Power consumption (W) AC	Wt. (g)	El. Part Group *	Dim ref.
Pilot operated																		
1/4	8	1400	2	10	10	-25	80	NBR	7341PAG2PN1D	**341P22001D**	**-**	**483250**	8	8		1450	5	7755



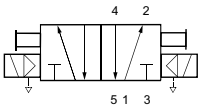
Anod. aluminium body/Pipe mounting - Spool design

Two solenoids and main pressure supply - Integrated pilot																		
1/4	8	1400	2	10	10	-25	80	NBR	2347PAG2PNM0	**347P02**	**8993**	**488980** 1	2.5	2		450	1	225



Anod. aluminium body/Pipe mounting - Spool design

Two solenoids and main pressure supply																		
1/4	8	1400	2	10	10	-25	80	NBR	7347PAG2PNM0	**347P22**	**2995**	**481865** 1	9	8		590	2	219
	8	1400	2	10	10	-25	80	NBR			**4270**	**481000** 1	8	8		810	2	



Anod. aluminium body/Pipe mounting - Spool design

Notes:

* See Electrical Parts Group table at end of section

1. Please order two housings and coils for each valve

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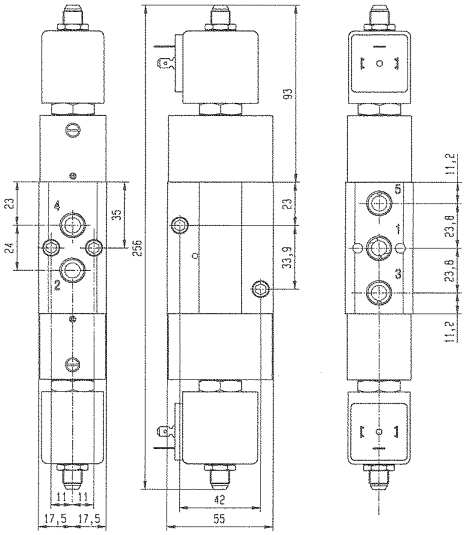
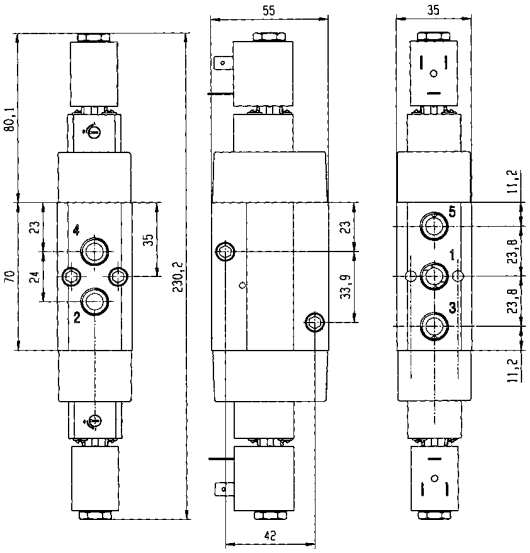
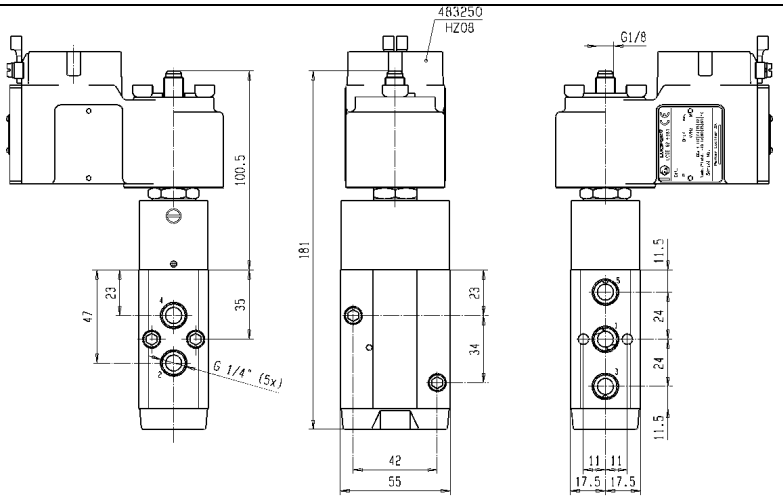
Solenoid valves for actuator control - 5/2 valves - Pipe connection-Spool design



Dimension reference 219



Dimension reference 225



Dimension reference 7755

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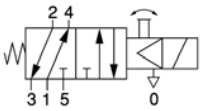
Solenoid valves for actuator control

5/2

Applications

3- or 4-way directional valves for control of single - or double acting pneumatic actuators.

Port size	Orifice (mm)	Flow factors (L/min)	Admissible differential pressure bar			Fluid temp. °C		Seat disc	Reference numbers					Power consumption (W)		Wt. (g)	El. Part Group *	Dim ref.
			Min	Max		Min	Max		Global valve reference		Valve reference no.		OR					
G		Qn		DC	AC						Housing	Coil		DC	AC			
Pilot operated																		



Aluminium alloy and brass body/Pipe mounting - Poppet design

1/8	4	400	1	10	10	-10	75	NBR	-	**341L9101**	**8993**	**488980**	2.5	2	270	1	42

Table continued on page 250

Notes:

* See Electrical Parts Group table at end of section

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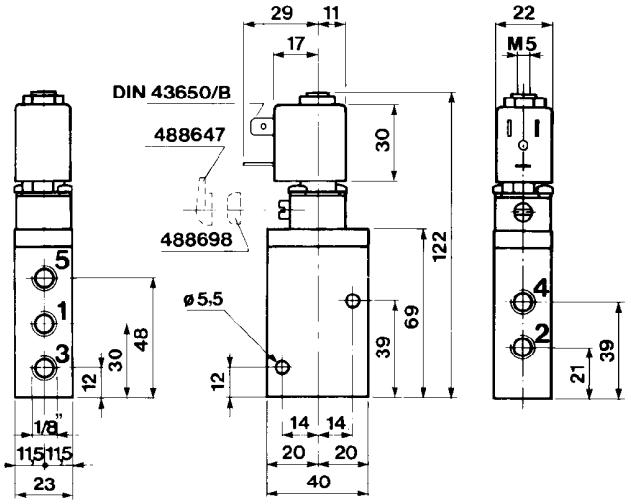
CH-1227 Carouge-Genève

Solenoid valves for actuator control - 5/2 valves - Pipe connection-Poppet design



Dimension reference 42

Parker Lucifer SA
Fluid Control Division Europe
CH-1227 Carouge-Genève

Solenoid valves for actuator control - 5/2 valves - Pipe connection-Poppet design

Port size	Orifice (mm)	Flow factors (L/min)	Admissible differential pressure bar			Fluid temp. °C		Seat disc	Reference numbers					Power consumption (W)		Wt. (g)	El. Part Group *	Dim ref.
			Min	Max									OR					
G		Qn		DC	AC	Min	Max		Global valve reference	Valve reference no.	Housing	Coil		DC	AC			
Pilot operated																		
Die-cast zinc body/Pipe mounting - Poppet design																		
1/4	8	1400	1	10	10	-10	75	NBR	-	**341L11**	**8993**	**488980**		2.5	2	690	1	118

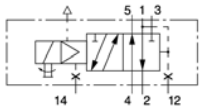


Table continued on page 252

Notes:

* See Electrical Parts Group table at end of section

Parker Lucifer SA
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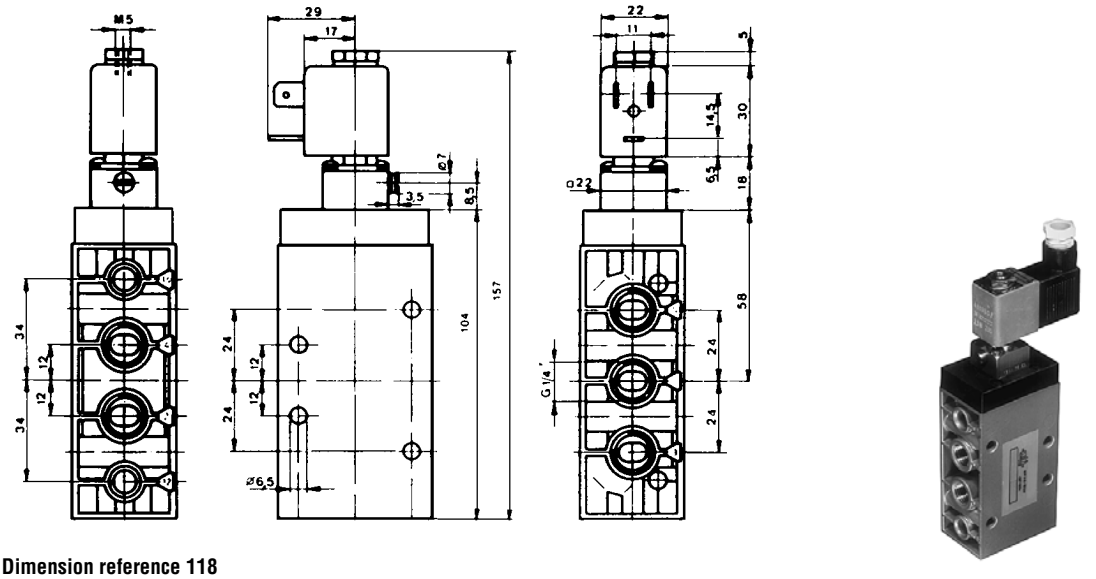
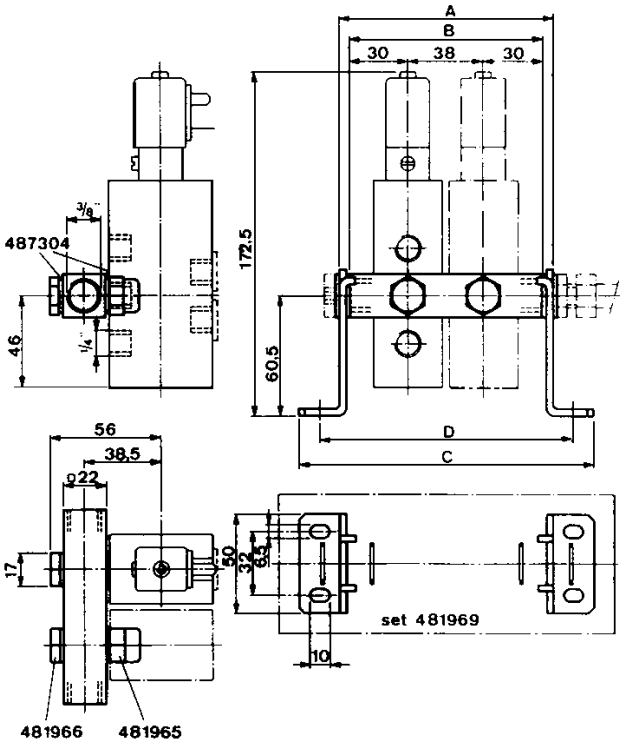
CH-1227 Carouge-Genève

Solenoid valves for actuator control - 5/2 valves - Pipe connection-Poppet design



Dimension reference 118



Quantity of valves by assembly	Feeder Ref.	A mm	B mm	C mm	D mm	Sealing 487304	Screw 481966	Set No. 481969
2	481964.02	108	98	149	128	4	2	1
3	481964.03	146	136	187	166	6	3	1
4	481964.04	184	174	225	204	8	4	1
5	481964.05	222	212	263	242	10	5	1
6	481964.06	260	250	301	280	12	6	1
7	481964.07	298	288	339	318	14	7	1
8	481964.08	336	326	377	356	16	8	1
9	481964.09	374	364	415	394	18	9	1
10	481964.10	412	402	453	432	20	10	1

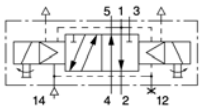
Associated sub-base diagram

Parker Lucifer SA
Fluid Control Division Europe
CH-1227 Carouge-Genève

Solenoid valves for actuator control - 5/2 valves - Pipe connection-Poppet design

Port size	Orifice (mm)	Flow factors (L/min)	Admissible differential pressure bar			Fluid temp. °C		Seat disc	Reference numbers					Power consumption (W)		Wt. (g)	El. Part Group *	Dim ref.
			Min	Max									OR					
G		Qn		DC	AC	Min	Max		Global valve reference	Valve reference no.	Housing	Coil		DC	AC			

Two solenoids and main pressure supply



Die-cast zinc body/Pipe mounting - Poppet design

1/4	8	1400	1	10	10	-10	75	NBR	-	**347L11**	**8993**	**488980** [1]	2.5	2	750	1	46

Table continued on page 254

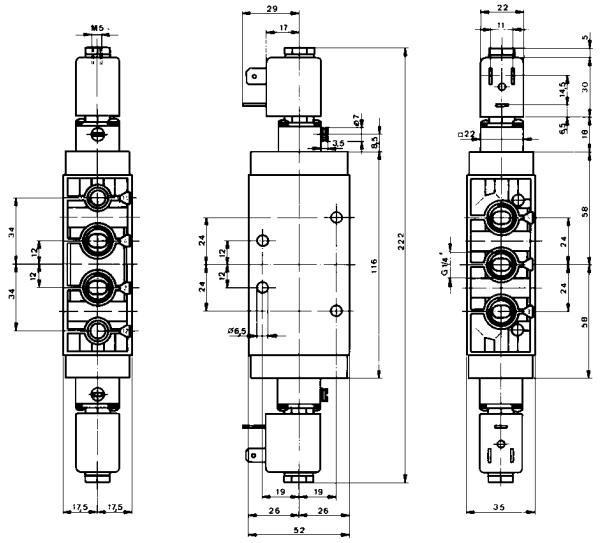
Notes:

* See Electrical Parts Group table at end of section

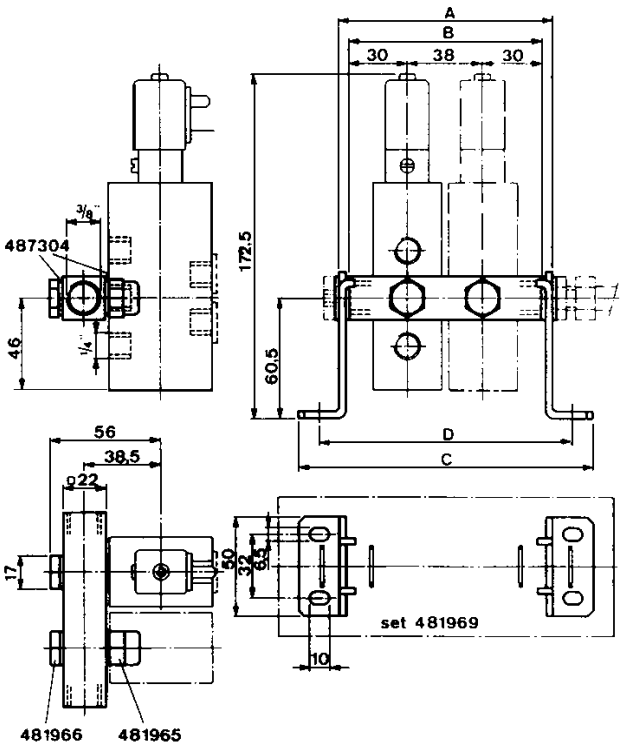
1. Please order two housings and coils for each valve

Parker Lucifer SA
Fluid Control Division Europe
CH-1227 Carouge-Genève

Solenoid valves for actuator control - 5/2 valves - Pipe connection-Poppet design



Dimension reference 46



Quantity of valves by assembly	Feeder Ref.	A mm	B mm	C mm	D mm	Sealing 487304	Screw 481966	Set No. 481969
2	481964.02	108	98	149	128	4	2	1
3	481964.03	146	136	187	166	6	3	1
4	481964.04	184	174	225	204	8	4	1
5	481964.05	222	212	263	242	10	5	1
6	481964.06	260	250	301	280	12	6	1
7	481964.07	298	288	339	318	14	7	1
8	481964.08	336	326	377	356	16	8	1
9	481964.09	374	364	415	394	18	9	1
10	481964.10	412	402	453	432	20	10	1

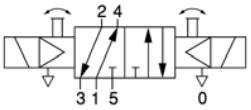
Associated sub-base diagram

Parker Lucifer SA
Fluid Control Division Europe
CH-1227 Carouge-Genève

Solenoid valves for actuator control - 5/2 valves - Pipe connection-Poppet design

Port size	Orifice (mm)	Flow factors (L/min)	Admissible differential pressure bar			Fluid temp. °C		Seat disc	Reference numbers					Power consumption (W)		Wt. (g)	El. Part Group *	Dim ref.
			Min	Max								OR						
G		Qn		DC	AC	Min	Max		Global valve reference	Valve reference no.	Housing	Coil		DC	AC			

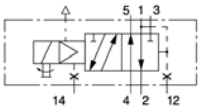
Two solenoids and main pressure supply



Aluminium alloy and brass body/Pipe mounting - Poppet design

1/8	4	315	2	10	10	-10	75	NBR	-	**347L9101**	**8993**	**488980** [1]	2.5	2	430	1	117

Pilot operated



Die-cast zinc body/Pipe mounting - Poppet design

1/4	8	1400	1	10	10	-10	75	NBR	7341LMG2NNM0	**E341L1130**	**2995**	**481865**	9	8	-	2	3539
	8	1400	1	10	10	-10	75	NBR	7341LMG2NNM0		**4270**	**481000**	8	8	-	2	3539
	8	1400	1	10	10	-10	75	NBR	-	**341L1190**	**-**	**483580.01** [2]	0.4	-	690	7	7478

Notes:

* See Electrical Parts Group table at end of section

1. Please order two of these items per valve
2. Other coil-housing available: 488650.01, 488660.01, 4888670.01 (refer to electrical parts at end of this section)

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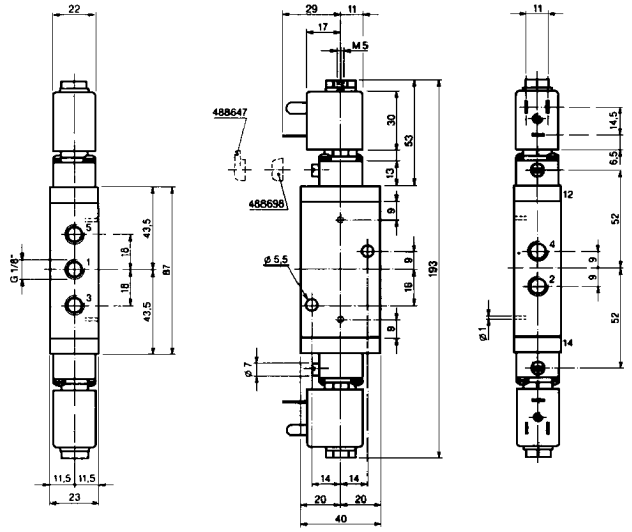
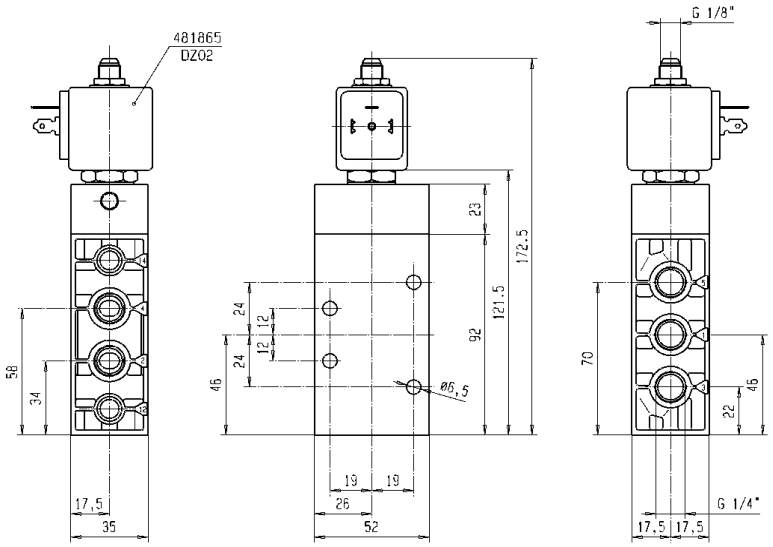
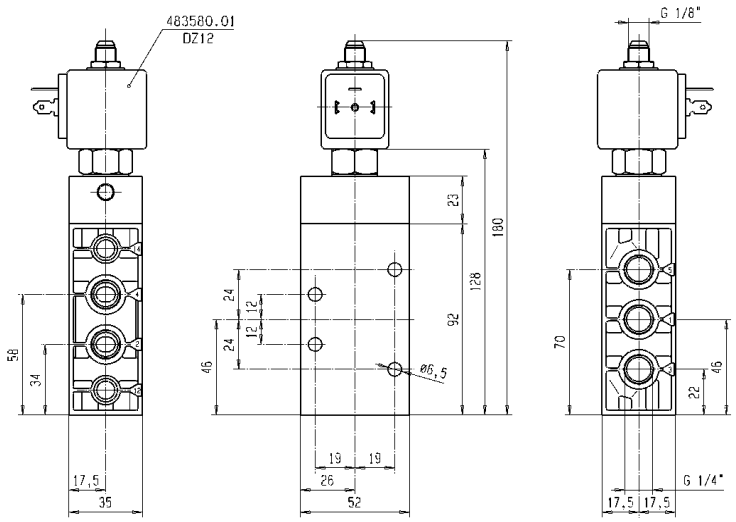
Solenoid valves for actuator control - 5/2 valves - Pipe connection-Poppet design



Dimension reference 117



Dimension reference 3539



Dimension reference 7478

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Solenoid valves for actuator control – NAMUR interface

ACTUATION	CONNECTION	ORIFICE (MM)	MAX. PRESSURE (BAR) <KPA>	PAGE
Pilot operated	1/4	8	10.0	264/266
	1/4 - 1/8	4	10.0	258/260/270
Pilot operated - Integrated pilot	1/4	8	10.0	264
	1/4 - 1/8	4	10.0	258
Two solenoids and main pressure supply	1/4	8	10.0	268
	1/4 - 1/8	4	10.0	262
Two solenoids and main pressure supply - Integrated pilot	1/4	8	10.0	268
	1/4 - 1/8	4	10.0	262
Solenoid and external pressure supply	1/4 - 1/8	4	10.0	260
External pressure supply	1/4 - 1/8	4	10.0	262

Notes:

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Solenoid valves for actuator control

3/2
5/2

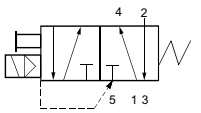
Applications

3- or 4-way directional valves for control of single - or double acting pneumatic actuators.

A patented sealing plate is incorporated to the body - providing on-site conversion of the valve from 5/2 to the 3/2 function (or vice versa) by simply rotating the plate through 180°. In the 3/2 function it provides venting of spring chambers to prevent corrosion which normally occurs when environmental air penetrates into the actuator.

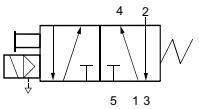
The interface design corresponds to the German NAMUR standard and the VDI/VDE 3845 recommendations of the actuator industry and permits a compact design of the actuator/valve unit.

Port size G	Orifice (mm)	Flow factors (L/min) Qn	Admissible differential pressure bar Min	Max DC	Max AC	Fluid temp. °C Min	Fluid temp. °C Max	Seat disc	Reference numbers: Global valve reference	Valve reference no.	Housing	OR Coil	Power consumption (W) DC	Power consumption (W) AC	Wt. (g)	El. Part Group *	Dim ref.
Pilot operated - Integrated pilot																	
1/4 - 1/8	4	600	2	10	10	-25	80	NBR	2341NAKBJNM1	**341N01** 1	**8993**	**488980**	2.5	2	320	1	209
	4	600	2	10	10	-25	80	NBR	2341NAKBJNM0	**341N11**	**8993**	**488980**	2.5	2	320	1	208



Anod. aluminium body/NAMUR interface - Spool design

Pilot operated																	
1/4 - 1/8	4	600	2	10	10	-25	80	NBR	7341NAKBJNM1	**341N21**	**2995**	**481865**	9	8	390	2	210
	4	600	2	10	10	-25	80	NBR			**4270**	**481000**	8	8	500	2	



Anod. aluminium body/NAMUR interface - Spool design

Table continued on page 260

Notes:

* See Electrical Parts Group table at end of section

1. Manual override standard

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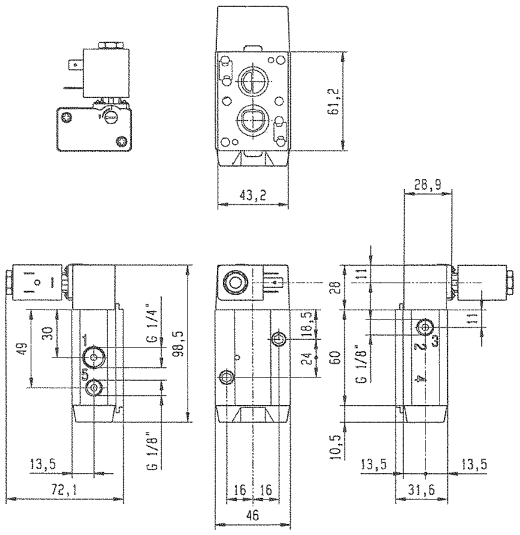
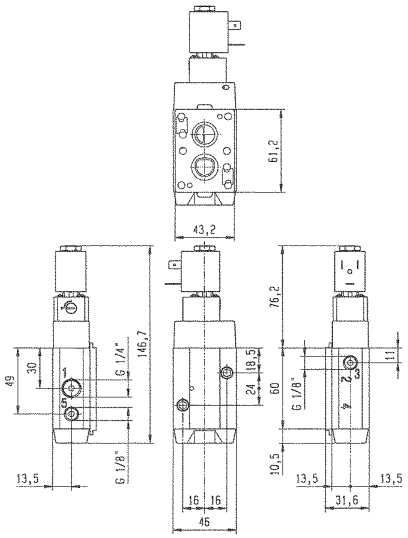
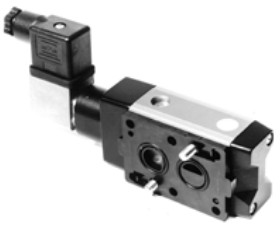
Solenoid valves for actuator control - 3/2 or 5/2 valves - NAMUR interface-Spool design

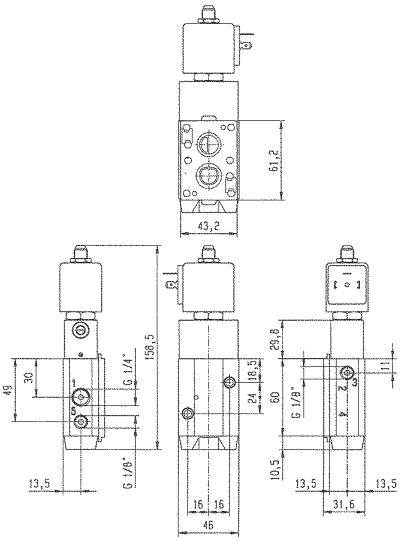


Dimension reference 208





Dimension reference 209



Dimension reference 210

Parker Lucifer SA
Fluid Control Division Europe
CH-1227 Carouge-Genève

Solenoid valves for actuator control - 3/2 or 5/2 valves - NAMUR interface-Spool design

Port size G	Orifice (mm)	Flow factors (L/min) Qn	Admissible differential pressure bar Min	Max DC	Max AC	Fluid temp. °C Min	Fluid temp. °C Max	Seat disc	Reference numbers: Global valve reference	Valve reference no.	Housing	OR Coil	Power consumption (W) DC	Power consumption (W) AC	Wt. (g)	El. Part Group *	Dim ref.
Pilot operated																	
Anod. aluminium body/NAMUR interface - Spool design																	
1/4 - 1/8	4	600	2	10	10	-25	80	NBR	7341NAKBJNM0	**341N31**	**2995**	**481865**	9	8	510	2	211
	4	600	2	10	10	-25	80	NBR			**4270**	**481000**	8	8	620	2	
	4	600	2	10	10	-40	65	NBR	7341NAKBJPM0	**341N3108** 1	**2995**	**481865**	9	8	510	2	211
	4	600	2	10	10	-40	65	NBR			**4270**	**481000**	8	8	620	2	
	4	600	2	10	-	-25	80	NBR	7341NAKBJNL2	**341N3180**	**2995**	**482740**	1.6	-	510	6	211
Pilot operated																	
Anod. aluminium body/NAMUR interface - Spool design																	
1/4 - 1/8	4	400	2	10	10	-25	80	NBR	7341NAKBHN90	**341N3190**	**-**	**483580.01** 2	0.4	-	640	7	211
Pilot operated																	
Anod. aluminium body/NAMUR interface - Spool design																	
1/4 - 1/8	4	600	2	10	10	-25	80	NBR	7341NAKBJN1D	**341N31001D**	**-**	**483250**	8	8	1520	5	7753
	4	600	2	10	10	-40	65	NBR	7341NAKBJP1D	**341N31081D**	**-**	**483250**	8	8	1520	5	7753
Solenoid and external pressure supply																	
Anod. aluminium body/NAMUR interface - Spool design																	
1/4 - 1/8	4	600	2	10	10	-40	65	NBR	7441NAKBJPM0	**441N3108** 1	**2995**	**481865**	9	8	510	2	211
	4	600	2	10	10	-40	65	NBR			**4270**	**481000**	8	8	620	2	

Table continued on page 262

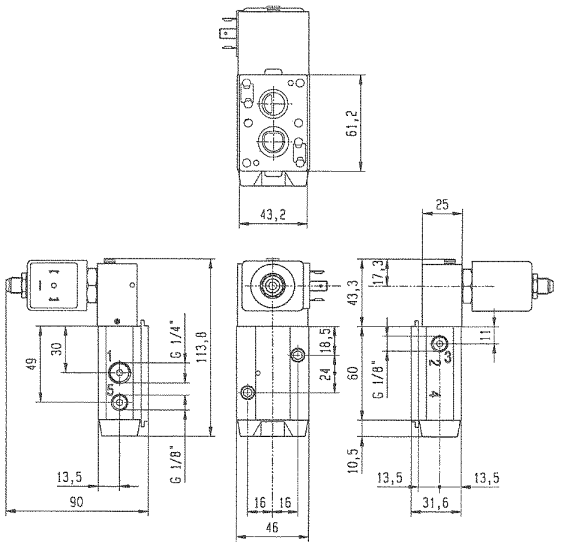
Notes:

* See Electrical Parts Group table at end of section

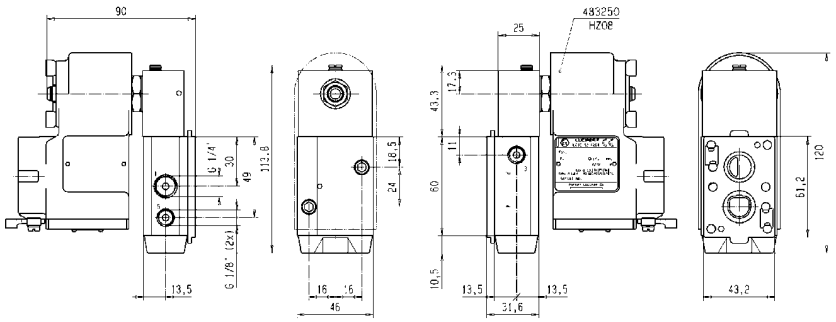
1. Operates with low temperatures down to -40 deg. C
2. Other coil-housing available: 488650.01, 488660.01, 4888670.01 (refer to electrical parts at end of this section)

Parker Lucifer SA
Fluid Control Division Europe
CH-1227 Carouge-Genève

Solenoid valves for actuator control - 3/2 or 5/2 valves - NAMUR interface-Spool design



Dimension reference 211



Dimension reference 7753

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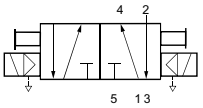
Solenoid valves for actuator control - 3/2 or 5/2 valves - NAMUR interface-Spool design

Port size	Orifice (mm)	Flow factors (L/min)	Admissible differential pressure bar			Fluid temp. °C		Seat disc	Reference numbers					Power consumption (W)		Wt. (g)	El. Part Group *	Dim ref.
			Min	Max					Global valve reference	Valve reference no.	Housing	OR Coil						
G		Qn		DC	AC	Min	Max							DC	AC			

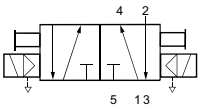
Two solenoids and main pressure supply - Integrated pilot



Anod. aluminium body/NAMUR interface - Spool design

1/4 - 1/8	4	400	2	10	10	-25	80	NBR	2347NAKBHNM0	**347N11**	**8993**	**488980** 1		2.5	2	530	1	213

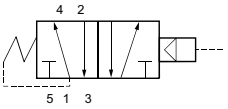
Two solenoids and main pressure supply



Anod. aluminium body/NAMUR interface - Spool design

1/4 - 1/8	4	400	2	10	10	-25	80	NBR	7347NAKBHNM0	**347N31**	**2995**	**481865** 1		9	8	670	2	216
	4	400	2	10	10	-25	80	NBR			**4270**	**481000** 1		8	8	890	2	

External pressure supply



Anod. aluminium body/NAMUR interface - Spool design

1/4 - 1/8	4	600	2	10	10	-25	80	FKM	7541NAKBJN00	**541N01**	-	-		-	-	300	-	214
	4	600	2	10	10	-40	65	NBR	7541NAKBJN00	**541N0108** 2	-	-		-	-	300	-	214

Table continued on page 264

Notes:

* See Electrical Parts Group table at end of section

1. Please order two housings and coils for each valve
2. Operates with low temperatures down to -40 deg. C

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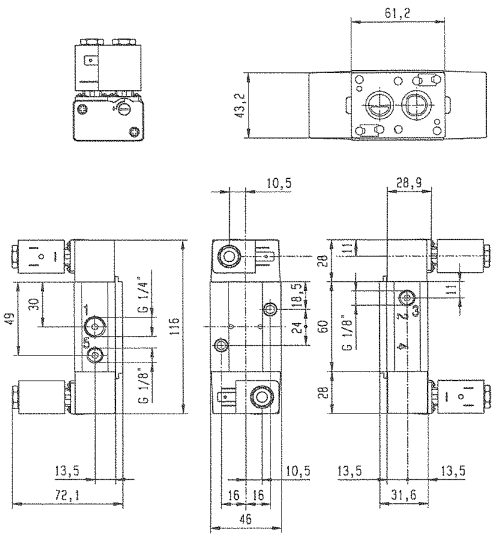
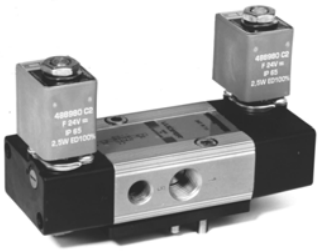
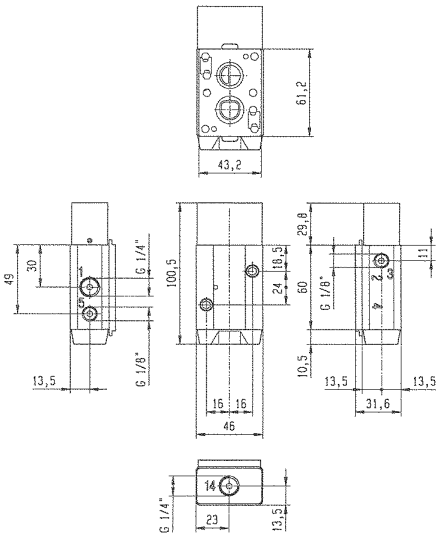
CH-1227 Carouge-Genève

Solenoid valves for actuator control - 3/2 or 5/2 valves - NAMUR interface-Spool design

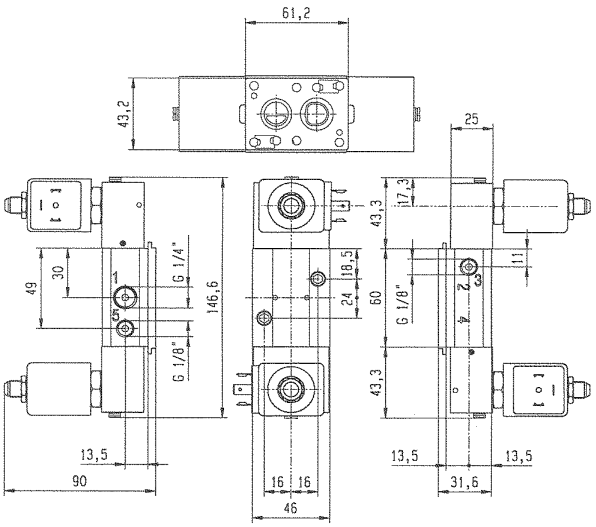




Dimension reference 213



Dimension reference 214



Dimension reference 216

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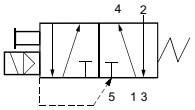
Solenoid valves for actuator control - 3/2 or 5/2 valves - NAMUR interface-Spool design

Port size	Orifice (mm)	Flow factors (L/min)	Admissible differential pressure bar			Fluid temp. °C		Seat disc	Reference numbers			OR	Power consumption (W)		Wt. (g)	El. Part Group *	Dim ref.
			Min	Max													
G		Qn		DC	AC	Min	Max		Global valve reference	Valve reference no.	Housing	Coil	DC	AC			

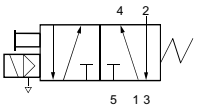
Pilot operated - Integrated pilot



Anod. aluminium body/NAMUR interface - Spool design

1/4	8	1400	2	10	10	-25	80	NBR	2341NAKBPNM1	**341N02**	**8993**	**488980**	2.5	2	470	1	220
	8	1400	2	10	10	-25	80	NBR	2341NAKBNNM0	**341N12**	**8993**	**488980**	2.5	2	470	1	221

Pilot operated



Anod. aluminium body/NAMUR interface - Spool design

1/4	8	1400	2	10	10	-25	80	NBR	7341NAKBPNM1	**341N22**	**2995**	**481865**	9	8	690	2	222
	8	1400	2	10	10	-25	80	NBR			**4270**	**481000**	8	8	800	2	

Table continued on page 266

Notes:

* See Electrical Parts Group table at end of section

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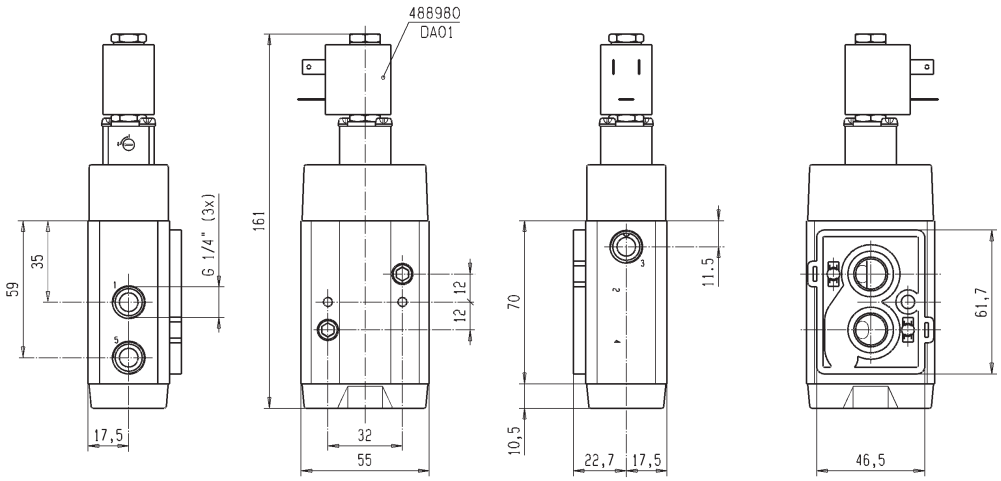
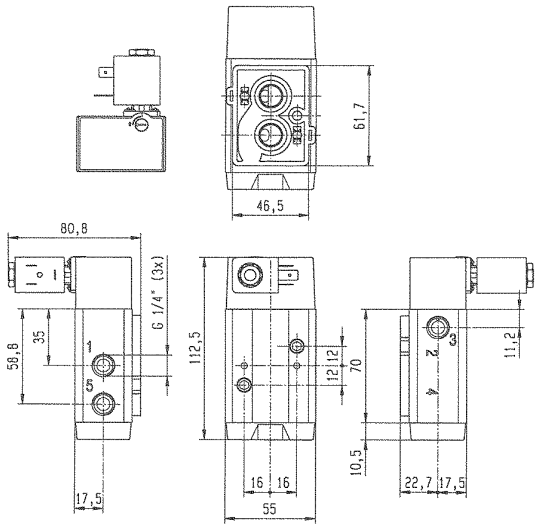
CH-1227 Carouge-Genève

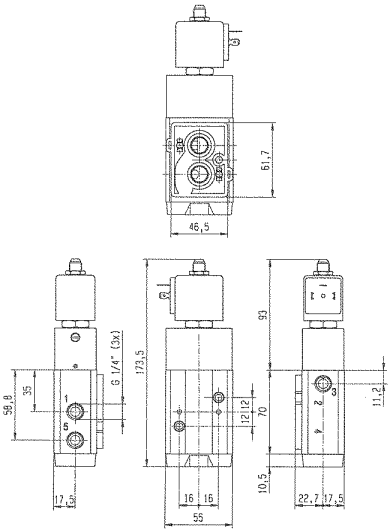
Solenoid valves for actuator control - 3/2 or 5/2 valves - NAMUR interface-Spool design



Dimension reference 220



Dimension reference 221



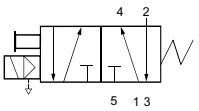
Dimension reference 222

Parker Lucifer SA
Fluid Control Division Europe
CH-1227 Carouge-Genève

Solenoid valves for actuator control - 3/2 or 5/2 valves - NAMUR interface-Spool design

Port size	Orifice (mm)	Flow factors (L/min)	Admissible differential pressure bar			Fluid temp. °C		Seat disc	Reference numbers			OR	Power consumption (W)		Wt. (g)	El. Part Group *	Dim ref.
			Min	Max		Min	Max		Global valve reference	Valve reference no.	Housing	Coil	DC	AC			
G		Qn		DC	AC												

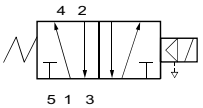
Pilot operated



Anod. aluminium body/NAMUR interface - Spool design

1/4	8	1400	2	10	10	-25	80	NBR	7341NAKBPNM0	**341N32**	**2995**	**481865**	9	8	740	2	223
	8	1400	2	10	10	-25	80	NBR			**4270**	**481000**	8	8	850	2	
	8	1400	2	10	-	-25	80	FKM	7341NAKBPNL2	**341N3280**	**2995**	**482740**	1.6	-	740	6	223
	8	1400	2	10	-	-25	80	FKM			**-**	**491117**	2.5	-	740	6	

Pilot operated



Anod. aluminium body/NAMUR interface - Spool design

1/4	8	1400	2	10	-	-25	80	NBR	7341NAKBPN90	**341N3290**	**-**	**483580.01** [1]	0.4	-	850	7	223
	8	1400	2	10	10	-25	80	NBR	7341NAKBPN1D	**341N32001D**	**-**	**483250**	8	8	1730	5	7754

Table continued on page 268

Notes:

* See Electrical Parts Group table at end of section

1. Other coil-housing available: 488650.01, 488660.01, 4888670.01 (refer to electrical parts at end of this section)

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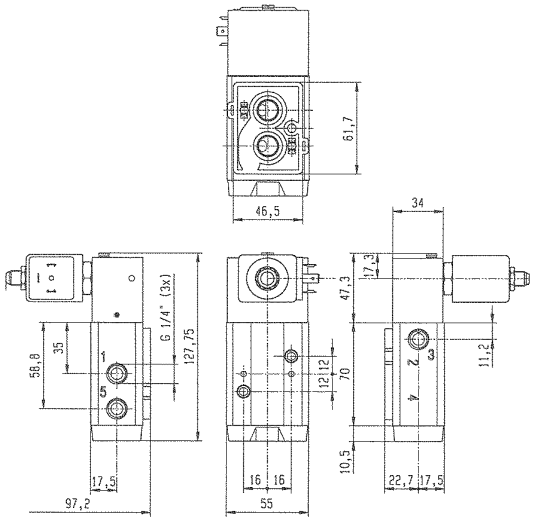
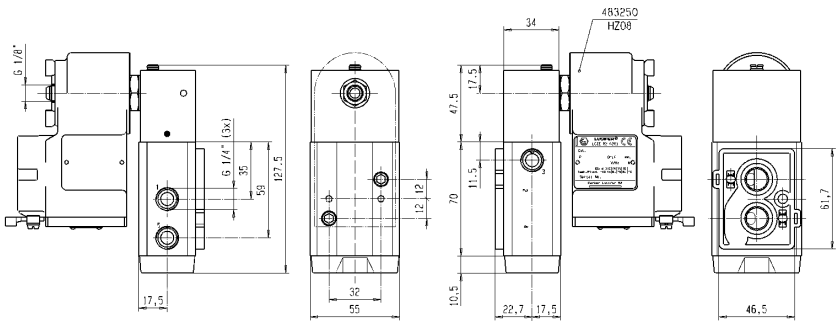
Solenoid valves for actuator control - 3/2 or 5/2 valves - NAMUR interface-Spool design



Dimension reference 223



Dimension reference 7754

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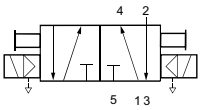
Solenoid valves for actuator control - 3/2 or 5/2 valves - NAMUR interface-Spool design

Port size	Orifice (mm)	Flow factors (L/min)	Admissible differential pressure bar			Fluid temp. °C		Seat disc	Reference numbers					Power consumption (W)		Wt. (g)	El. Part Group *	Dim ref.
			Min	Max								OR						
									Global valve reference	Valve reference no.	Housing	Coil						
G		Qn		DC	AC	Min	Max							DC	AC			

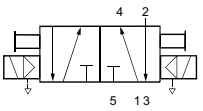
Two solenoids and main pressure supply - Integrated pilot



Anod. aluminium body/NAMUR interface - Spool design

1/4	8	1400	2	10	10	-25	80	NBR	2347NAKBPNM0	**347N12**	**8993**	**488980**	1	2.5	2	640	1	7315

Two solenoids and main pressure supply



Anod. aluminium body/NAMUR interface - Spool design

1/4	8	1400	2	10	10	-25	80	NBR	7347NAKBPNM0	**347N32**	**2995**	**481865**	1	9	8	770	2	7320
	8	1400	2	10	10	-25	80	NBR			**4270**	**481000**	1	8	8	980	2	

Notes:

* See Electrical Parts Group table at end of section

1. Please order two housings and coils for each valve

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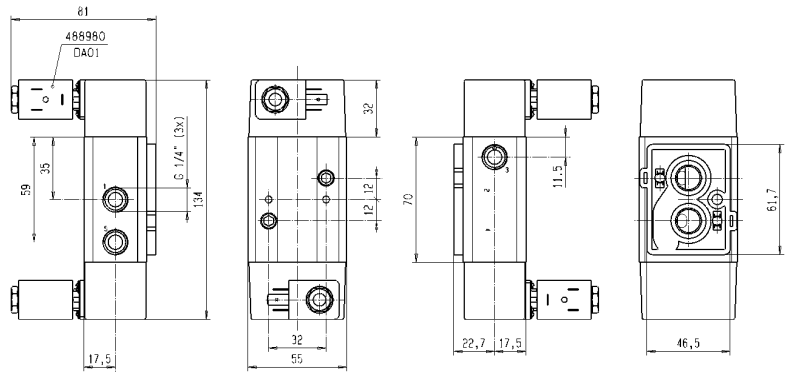
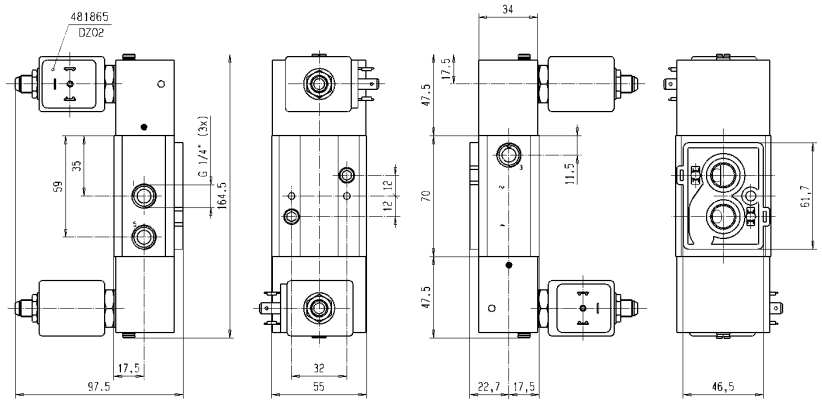
CH-1227 Carouge-Genève

Solenoid valves for actuator control - 3/2 or 5/2 valves - NAMUR interface-Spool design



Dimension reference 7315



Dimension reference 7320

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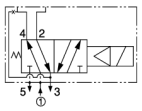
Solenoid valves for actuator control

3/2
5/2

Port size G	Orifice (mm)	Flow factors (L/min) Qn	Admissible differential pressure bar Min	Max DC	Max AC	Fluid temp. °C Min	Fluid temp. °C Max	Seat disc	Reference numbers: Global valve reference	Valve reference no.	Housing	OR Coil	Power consumption (W) DC	Power consumption (W) AC	Wt. (g)	El. Part Group *	Dim ref.

Pilot operated



Anod. aluminium body/NAMUR interface - Poppet design

1/4 - 1/8	4	355	1	10	10	-10	75	NBR	-	**341L9504**	**8993**	**488980**	2.5	2	360	1	44
	4	355	1	10	10	-10	75	NBR	7341LAKBGN1D	**341L95341D**	**-**	**483250**	8	8	1470	5	45
	4	355	1	10	10	-10	75	NBR	7341LAKBGNM0	**341L9534**	**2995**	**481865**	9	8	470	2	45
	4	355	1	10	-	-10	75	NBR	7341LAKBGNL2	**341L9584**	**-**	**482740**	1.6	-	470	6	45
	4	355	1	10	-	-10	75	NBR	7341LAKBGN90	**341L9594**	**-**	**483580.01** [1]	0.4	-	470	7	45
	4	355	2	10	-	-25	65	PUR	7341LAPBGPL2	**341L9588**	**-**	**482740**	1.6	-	470	6	45
	4	355	2	10	-	-25	75	PUR	-	**341L9598**	**-**	**483580.01** [1]	0.4	-	470	7	45

Notes:

* See Electrical Parts Group table at end of section

1. Other coil-housing available: 488650.01, 488660.01, 4888670.01 (refer to electrical parts at end of this section)

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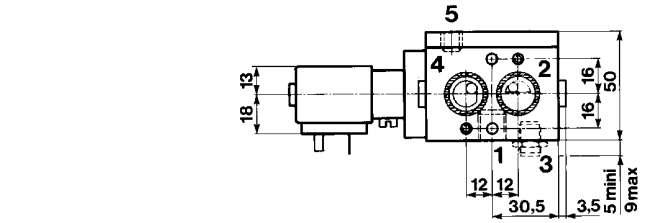
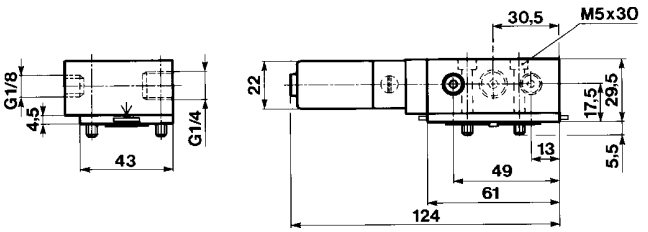
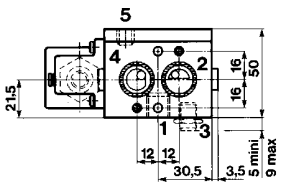
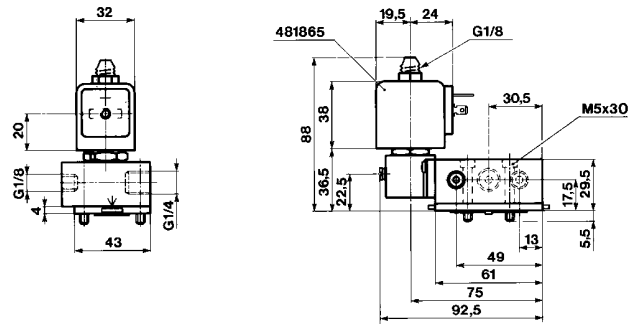
Solenoid valves for actuator control - 3/2 or 5/2 valves - NAMUR interface-Poppet design

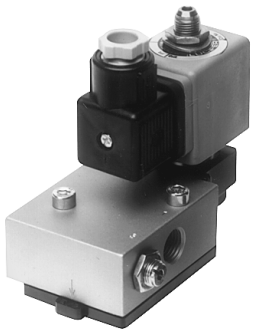




Dimension reference 44







Dimension reference 45

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Electrical parts options with 3/2, 5/2 valves for pneumatic actuator control

El.part Group	Coil	Protection class	Protection class / Temperature class	Power DC	Power AC	Coil Order No.	Coil Ref. No.	Connection	Housing Order No.	Housing Ref. No.	Ambient temp. min.	Ambient temp. max.
1	**22 mm**	IP 65	**Class F**	2.5 W	2 W	DA01	**488980**	for DIN plug	A0	**8993**	-40	50
		IP 65	**Class F**	2.5 W	2 W	DA02	**481045**	with DIN plug	A0	**8993**	-40	50
		IP 65	**Class F**	5 W	4 W	DA03	**481180**	for DIN plug	A0	**8993**	-40	50
		IP 65	**Class F**	5 W	4 W	DA04	**481530**	with DIN plug	A0	**8993**	-40	50
		IP 65	**EEx m II T4**	5 W	4 W	VA01	**482605**	with 1500mm cable	00	**-**	-40	50
		IP 65	**EEx m II T5**	2.5 W	2 W	VA02	**482606**	with 1500mm cable	00	**-**	-40	50
2	**32 mm**	IP 65	**Class F**	9 W	8 W	DZ02	**481865**	for DIN plug	N1	**2995**	-40	50
	(Std)	IP 65		9 W	8 W	DZ03	**482725**	with DIN plug	N1	**2995**	-40	50
		IP 65	**Class H**	9 W	8 W	DZ04	**482453**	for DIN plug	N1	**2995**	-40	50
		IP 65		9 W	8 W	DZ05	**492726**	with DIN plug	N1	**2995**	-40	50
		IP 65	**Class F, 50/60 Hz**	-	9 W	DZ06	**483510**	for DIN plug	N1	**2995**	-40	50
		IP 65		-	9 W	DZ07	**482635**	with DIN plug	N1	**2995**	-40	50
		IP 65	**EEx m II T4**	9 W	8 W	HZ05	**492670**	with 3000mm cable	00	**-**	-40	40
		IP 65	**Class H**	14 W	14 W	DZ08	**492425**	for DIN plug	N1	**2995**	-40	50
		IP 65		14 W	14 W	DZ09	**492727**	with DIN plug	N1	**2995**	-40	50
	50 mm	IP10 / IP 44	**Class F**	8 W	8 W	EZ01	**481000**	screw-terminals	E0	**4270**	-40	50
	(Std)	IP10 / IP 44	**Class H**	8 W	8 W	EZ02	**485100**	screw-terminals	E0	**4270**	-40	50
		IP 67	**Class F, M20x1.5**	8 W	8 W	EZ01	**481000**	screw-terminals	G1	**4538**	-40	50
		IP 65	**EEx m II T5/T4**	9 W	8 W	VZ01	**492070**	with 1500mm cable	00	**-**	-40	40/65
		IP 67	**EEx me II T4**	8 W	8 W	HZ06	**483371**	for cable connection	00	**-**	-40	65
		IP 66	**EEx me II T3/T4**	11 W	9 W	VZ03	**492190**	for cable connection	00	**-**	-40	75/40
3	**32 mm**	IP 65	**Class H**	-	14 W	DZ08	**492425**	for DIN plug	N1	**2995**	-40	50
4	**50 mm**	IP10 / IP 44	**Class F**	-	11 W	MZ01	**484990**	screw-terminals	E1	**4269**	-25	50
	(impulse)	IP10 / IP 44	**Class F**	13 W	-	MZ02	**485400**	screw-terminals	E1	**4269**	-25	50
5	**50 mm**	IP 54	**EEx d IIC T4/T5/T6**	8 W	8 W	HZ08	**483250**	for cable connection, 1/2 NPT	00	**-**	-40	80/75/60
6	**32 mm**	IP 65	**Class F**	1.6 W	-	DZ10	**482740**	for DIN plug	N1	**2995**	-40	50
	(Miniwatt)	IP 65	**Class F**	1.6W	-	DZ11	**482745**	with DIN plug	N1	**2995**	-40	50
	50 mm	IP 67	**EEx me II T5**	2.5 W	-	VZ04	**491117**	for cable connection	00	**-**	-40	65
	(Miniwatt)	IP 67	**EEx m II T5/T4**	2.5 W	2.5 W	VZ05	**492370**	with 1500mm cable	00	**-**	-40	40/65
		IP 66	**EEx me II T6/T5**	2.5 W	2.5 W	VZ06	**492390**	for cable connection	00	**-**	-40	40/75
7	**32 mm**	IP 65	**EEx ia II C T6**	0.4 W	-	DZ12	**483580.01**	for DIN plug	N1	**2995**	-25	55
		IP 65		0.4 W	-	DZ13	**483960.01**	with DIN plug	N1	**2995**	-25	55
	50 mm	IP 66	**EEx ia II C T6**	0.4 W	-	VZ07	**488650.01**	for cable connection	00	**-**	-25	65
		IP 67		0.4 W	-	VZ08	**488660.01**	with 2000mm cable	00	**-**	-25	65
		IP 65		0.4 W	-	VZ09	**488670.01**	with DIN plug	00	**-**	-25	65
9	**32 mm**	IP 65	**Class F**	9 W	9 W	DZ93	**492387**	with DIN plug	N9	**8886**	-40	50
	50 mm	IP 67	**EEx me II T4**	8 W	-	HZ14	**483371.01**	for cable connection	00	**-**	-40	65
		IP 66	**EEx me II T6/T5**	1.5 W	-	VZ13	**492200**	for cable connection	00	**-**	-40	40/75
CPR		IP 66	**EEx me II T5/T4**	6 W	6 W	VZ14	**492300**	for cable connection	00	**-**	-40	40/75
		IP 67	**EEx m II T5/T4**	5 W	5 W	VZ02	**492270**	with 1500mm cable	00	**-**	-40	40/65
		IP 66	**EEx ib IIB T6**	0.8 W	-	VZ11	**482660**	for cable connection	00	**-**	-40	75
		IP 66	**EEx ib IIC T6**	0.8 W	-	VZ12	**483330.01**	for cable connection	00	**-**	-40	75
		IP 66	**EEx ia IIC T6**	0.8W	-	VZ92	**492965.02**	for cable connection	00	**-**	-40	65
10	**50 mm**	IP 66	**EEx me II T6/T5**	1.5 W	-	VZ26	**492210**	for cable connection	00	**-**	-40	40/75
		IP 66	**EEx me II T5/T4**	6 W	6 W	VZ27	**492310**	for cable connection	00	**-**	-40	40/75
OFFSHORE		IP 66	**EEx ib IIB T6**	0.8 W	-	VZ11	**482660**	for cable connection	00	**-**	-40	75
		IP 66	**EEx ib IIC T6**	0.8 W	-	VZ12	**483330.01**	for cable connection	00	**-**	-40	75
		IP 66	**EEx ia IIC T6**	0.8W	-	VZ91	**492965.01**	for cable connection	00	**-**	-40	65
11	**50 mm**	IP 65	**EEx d II C T4/T5/T6**	8 W	8 W	HZ19	**483270**	for cable , M20x1.5	00	**-**	-40	80/75/60
		IP 65	**EEx d II C T4/T5/T6**	8 W	8 W	HZ21	**483270.02**	for cable , 1/2 NPT	00	**-**	-40	80/75/60
12	**50 mm**	IP 66	**EEx me II T5/T4**	6 W	6 W	VZ27	**492310**	for cable connection	00	**-**	-40	40/75
		IP 66	**EEx ib IIB T6**	0.8 W	-	VZ22	**482160.01**	for cable connection	00	**-**	-40	65
		IP 66	**EEx ib IIC T6**	0.8 W	-	VZ23	**482870.01**	for cable connection	00	**-**	-40	65

Note: This table is indicative only. Please contact your distributor to confirm your selection.

Parker Lucifer SA
Fluid Control Division Europe
CH-1227 Carouge-Genève

316 St. Steel valves for chemical, petrochemical and offshore applications

ACTUATION	CONNECTION	ORIFICE (MM)	MAX. PRESSURE (BAR)	PAGE
Direct operated	1/4	2.5 to 5.0	1000.0	274/278
	3/8	5.0	1000.0	282
	SB	2.5	1400.0	276/278
Direct operated with manual reset	1/4	5.0	1000.0	274/280
	3/8	5.0	1000.0	274/276

Notes:

Parker Lucifer SA
Fluid Control Division Europe
CH-1227 Carouge-Genève

316 St. Steel valves for chemical, petrochemical and offshore applications

Applications

Directional control and fail/safe function in valve actuator circuits in corrosive and hazardous environment.

Solenoid pilots for main stage valves in corrosive and hazardous locations.

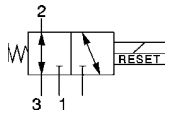
Port size NPT	Orifice (mm)	Flow factors (L/min) Qn	Admissible differential pressure kPa Min	Max DC	Max AC	Fluid temp. °C	Admissible ambient temp. °C	Seat disc	Reference numbers Valve reference no.	Coil	Power consumption (W) DC	Power consumption (W) AC	Degree of protection Ex	El. Part Group *	Dim ref.
Direct operated with manual reset 															
316L Stainless Steel body/Pipe mounting															
1/4	5	680	0	1000	1000	-25 to +65	-25 to +65	NBR	**U033X51561D** 1	**483270** 2	8	8	EEx d IIC T4/T5/T6	11	7030
	5	680	0	1000	1000	-25 to +65	-25 to +65	NBR		**483270.02** 2	8	8	EEx d IIC T5	11	
	5	680	0	1000	-	-25 to +65	-25 to +65	NBR	**U033X5156** 1	**482870.01** 2	0.8	-	EEx ia IIC T6	12	7771
	5	680	0	1000	1000	-25 to +65	-25 to +65	NBR		**492310** 2	6	6	EEx me II T4(T5)	12	
3/8	5	680	0	1000	1000	-25 to +65	-25 to +65	NBR	**U033X52561D** 1	**483270** 2	8	8	EEx d II C T4(T6)	11	7672
	5	680	0	1000	1000	-25 to +65	-25 to +65	NBR		**483270.02** 2	8	8	EEx d II C T4(T6)	11	

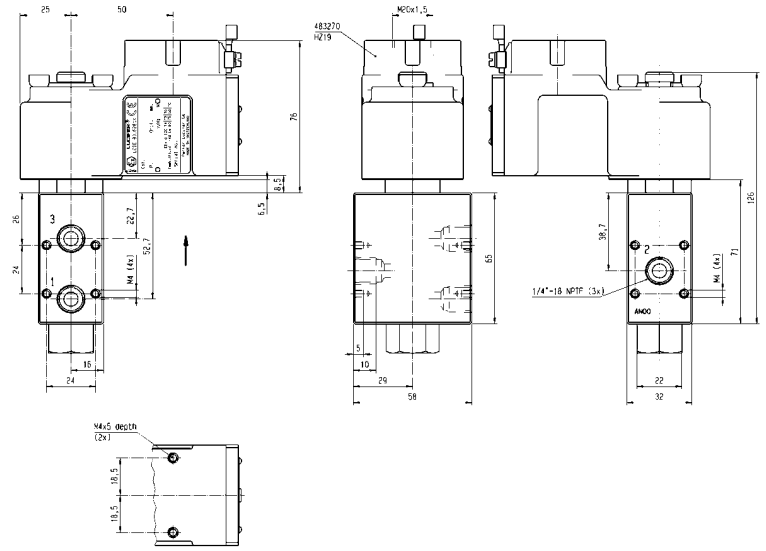
Table continued on page 276

Notes:

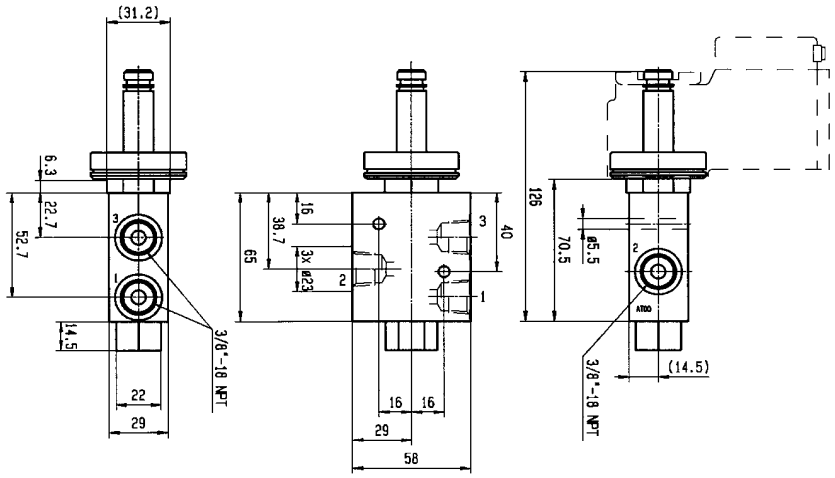
* See Electrical Parts Group table at end of section

1. With manual reset
2. Valve with NPT ports

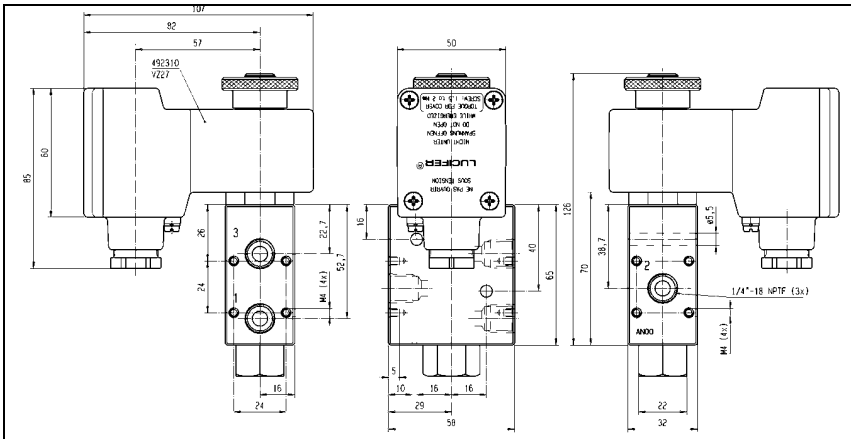
Parker Lucifer SA
Fluid Control Division Europe
CH-1227 Carouge-Genève



Dimension reference 7030



Dimension reference 7672



Dimension reference 7771

Parker Lucifer SA
Fluid Control Division Europe
CH-1227 Carouge-Genève

316 St. Steel valves for chemical, petrochemical and offshore applications

Port size NPT	Orifice (mm)	Flow factors (L/min) Qn	Admissible differential pressure kPa Min	Max DC	Max AC	Fluid temp. °C	Admissible ambient temp. °C	Seat disc	Reference numbers Valve reference no.	Coil	Power consumption (W) DC	AC	Degree of protection Ex	El. Part Group *	Dim ref.
Direct operated with manual reset															
316L Stainless Steel body/Pipe mounting															
3/8	5	680	0	1000	-	-25 to +65	-25 to +65	NBR	**U033X5256** [1]	**482870.01** [2]	0.8	-	EEx ia IIC T6	12	7671
	5	680	0	1000	1000	-25 to +65	-25 to +65	NBR		**492310** [2]	6	6	EEx me II T4(T5)	12	
Direct operated															
316L Stainless Steel body/NAMUR interface															
3/8	5	680	0	1000	1000	-25 to +65	-25 to +65	NBR	**U131X1201** [2]	**492965.01**	0.8	-	EEx ia IIC T6	9,10	7668
	5	680	0	1000	1000	-25 to +65	-25 to +65	NBR		**492310**	6	6	EEx me IIT4/T5	9,10	
Direct operated															
316L Stainless Steel body/Sub-base mounting															
SB	2.5	220	0	1000	-	-25 to +65	-25 to +50	FKM	**U131F5695** [2]	**492965.01**	0.8	-	EEx ia IIC T6	10	85
	2.5	220	0	1000	1000	-25 to +75	-25 to +50	FKM		**492310**	6	6	EEx me II T4(T5)	10	

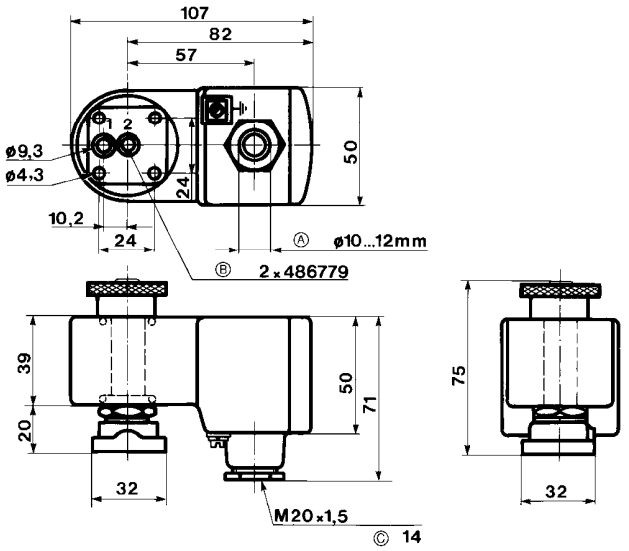
Table continued on page 278

Notes:

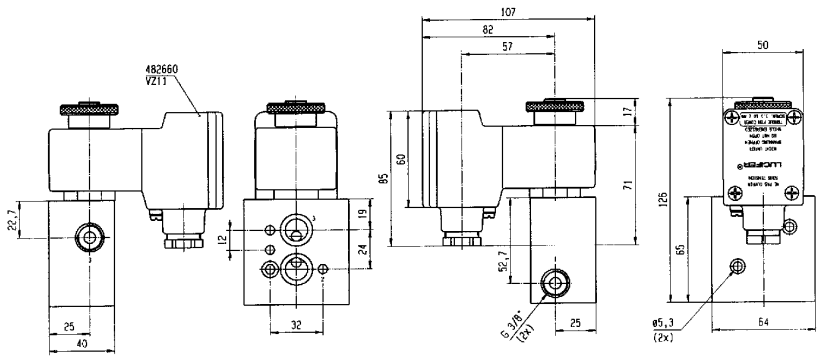
* See Electrical Parts Group table at end of section

1. With manual reset
2. Valve with NPT ports

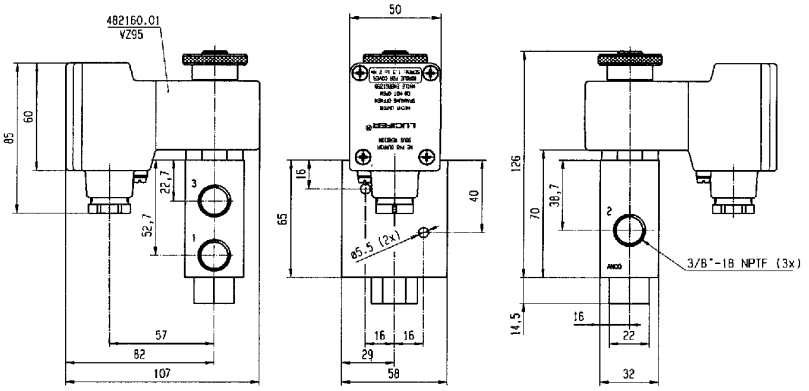
Parker Lucifer SA
Fluid Control Division Europe
CH-1227 Carouge-Genève



Dimension reference 85



Dimension reference 7668



Dimension reference 7671

Parker Lucifer SA
Fluid Control Division Europe
CH-1227 Carouge-Genève

316 St. Steel valves for chemical, petrochemical and offshore applications

Port size NPT	Orifice (mm)	Flow factors (L/min) Qn	Admissible differential pressure kPa Min	Max DC	Max AC	Fluid temp. °C	Admissible ambient temp. °C	Seat disc	Reference numbers Valve reference no.	Coil	Power consumption (W) DC	AC	Degree of protection Ex	El. Part Group *	Dim ref.
Direct operated															
316L Stainless Steel body/Sub-base mounting															
SB	2.5	220	0	1400	1400	-25 to +80	-25 to +50	FKM	**U131F56951D** [1]	**483270**	8	8	EEx d IIC T5	11	3783
	2.5	220	0	1400	1400	-25 to +80	-25 to +50	FKM		**483270.02**	8	8	EEx d IIC T5	11	
Direct operated															
316L Stainless Steel body/Pipe mounting															
1/4	2.5	220	0	850	-	-25 to +75	-25 to +50	FKM	**U133V5695** [1]	**492965.01** [2]	0.8	-	EEx ia IIC T6	10	86
	2.5	220	0	850	850	-25 to +75	-25 to +50	FKM		**492310** [3]	6	6	EEx me II T4(T5)	10	
	2.5	220	0	850	850	-25 to +75	-25 to +50	FKM	**U133V56951D** [1]	**483270**	8	8	EEx d IIC T5	11	6714
	2.5	220	0	850	850	-25 to +75	-25 to +50	FKM		**483270.02**	8	8	EEx d IIC T5	11	

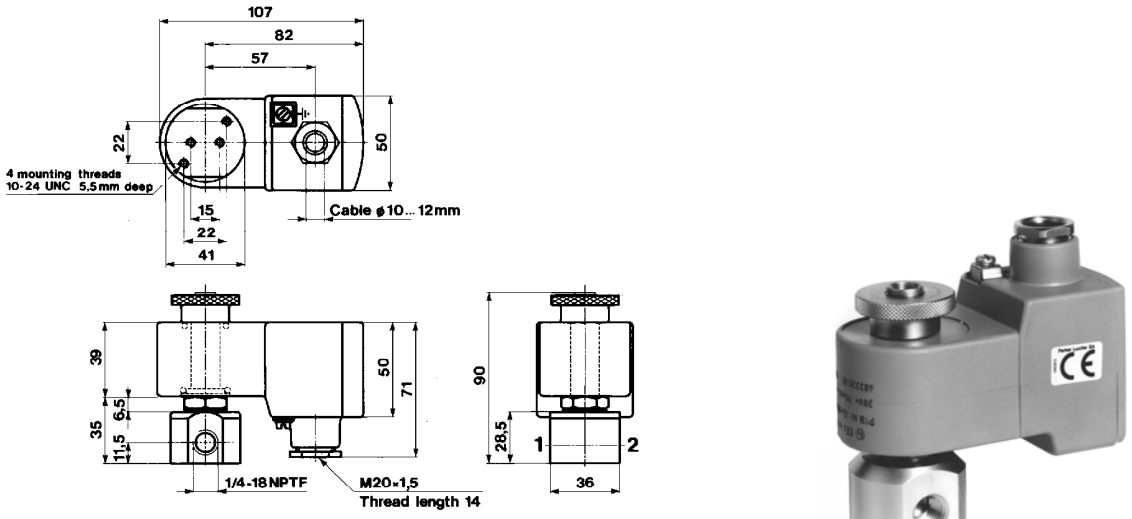
Table continued on page 280

Notes:

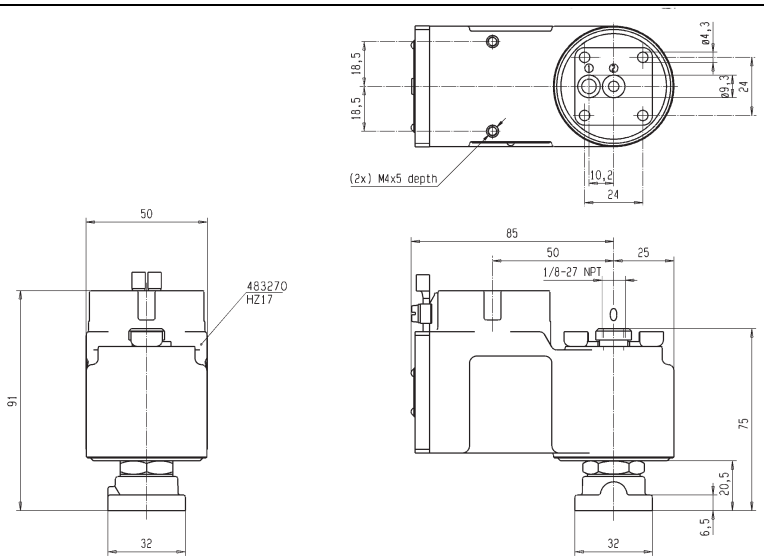
* See Electrical Parts Group table at end of section

1. Valve with NPT ports
2. Max. power consumption DC = 1 W with connected cable length max. 4 km (2 km back and forth), section 1 mm²
3. Other coil-housing available

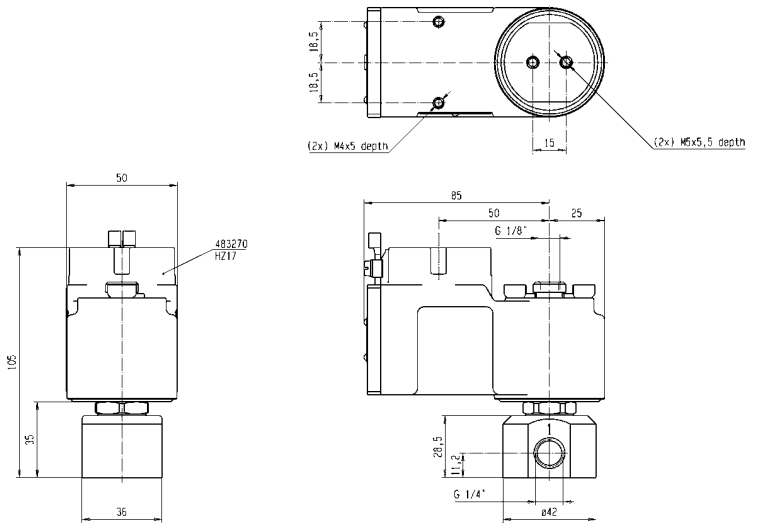
Parker Lucifer SA
Fluid Control Division Europe
CH-1227 Carouge-Genève



Dimension reference 86



Dimension reference 3783



Dimension reference 6714

Parker Lucifer SA
Fluid Control Division Europe
CH-1227 Carouge-Genève

316 St. Steel valves for chemical, petrochemical and offshore applications

Port size NPT	Orifice (mm)	Flow factors (L/min) Qn	Admissible differential pressure kPa Min	Max DC	Max AC	Fluid temp. °C	Admissible ambient temp. °C	Seat disc	Reference numbers Valve reference no.	Coil	Power consumption (W) DC	AC	Degree of protection Ex	El. Part Group *	Dim ref.
Direct operated															
316L Stainless Steel body/Pipe mounting															
1/4	5	680	0	1000	-	-25 to +65	-25 to +65	NBR	**U133X5156** 1	**492965.01**	0.8	-	EEx ia IIC T6	10	7770
	5	680	0	1000	1000	-25 to +65	-25 to +65	NBR		**492310**	6	6	EEx me II T4(T5)	10	
Direct operated															
316L Stainless Steel body/Pipe mounting															
1/4	5	680	0	1000	1000	-25 to +65	-25 to +65	NBR	**U133X51561D** 1	**483270**	8	8	EEx d IIC T4/T5/T6	11	7011
	5	680	0	1000	1000	-25 to +65	-25 to +65	NBR		**483270.02**	8	8	EEx d IIC T4/T5/T6	11	
	5	680	0	1000	-	-25 to +65	-25 to +65	NBR	**U133X5196** 2	**492965.01** 1	0.8	-	EEx ia IIC T6	10	7770
	5	680	0	1000	1000	-25 to +65	-25 to +65	NBR		**492310** 1	6	6	EEx me II T4(T5)	10	
	5	680	0	1000	1000	-25 to +65	-25 to +65	NBR	**U133X51961D** 1	**483270**	8	8	EEx d IIC T5	11	7038
	5	680	0	1000	1000	-25 to +65	-25 to +65	NBR		**483270.02**	8	8	EEx d IIC T5	11	

Table continued on page 282

Notes:

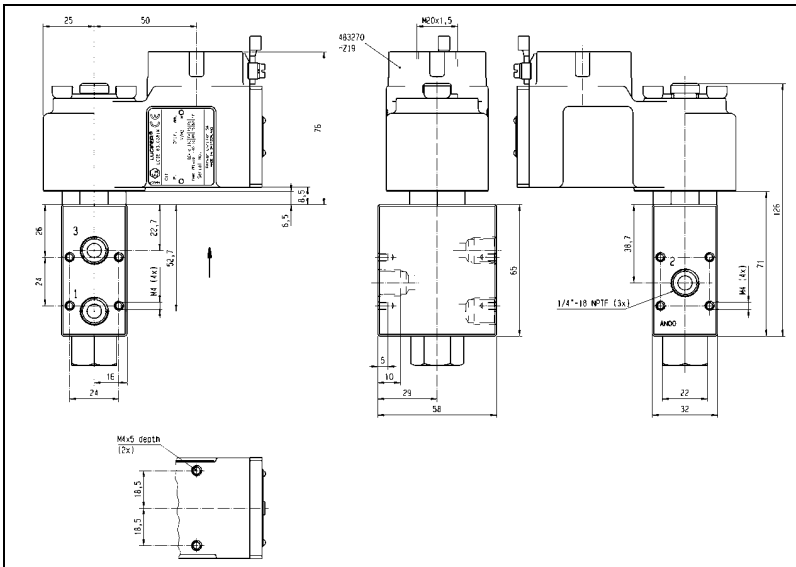
* See Electrical Parts Group table at end of section

1. Valve with NPT ports
2. Optional manual override available on request - change suffix 96 to 56

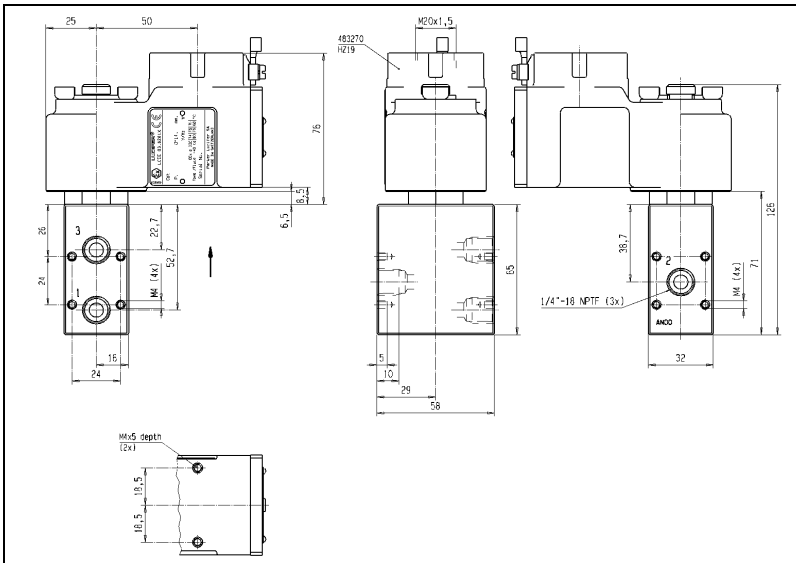
Valve with NPT ports

Parker Lucifer SA
Fluid Control Division Europe
CH-1227 Carouge-Genève

316 St. Steel valves for chemical, petrochemical and offshore applications



Dimension reference 7011



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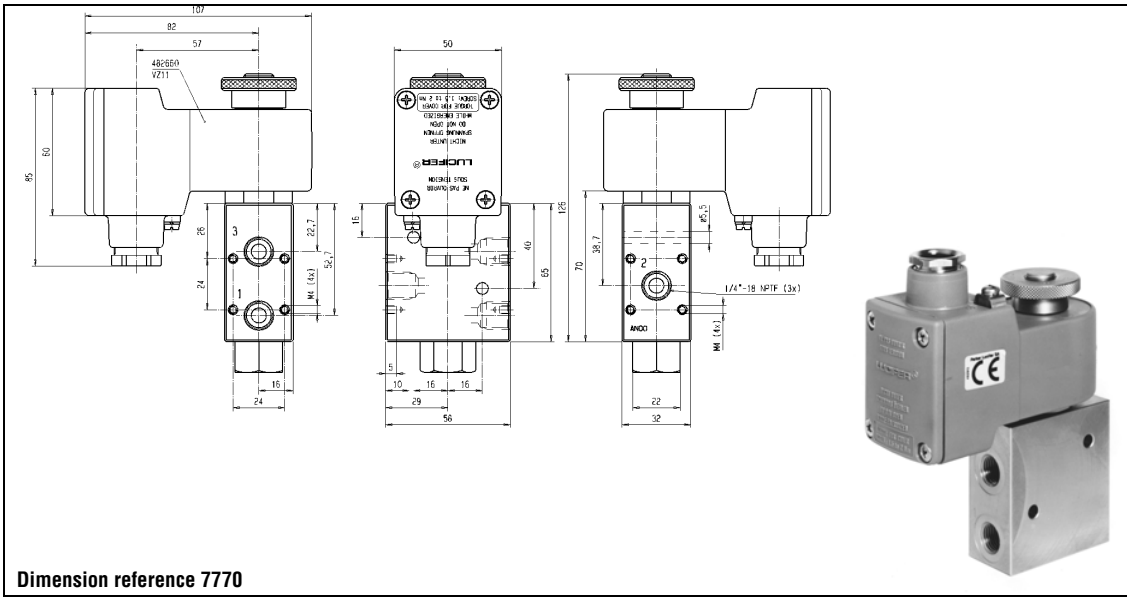
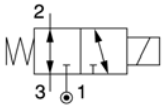


Dimension reference 7770

Parker Lucifer SA
Fluid Control Division Europe
CH-1227 Carouge-Genève

316 St. Steel valves for chemical, petrochemical and offshore applications

Port size NPT	Orifice (mm)	Flow factors (L/min) Qn	Admissible differential pressure kPa Min	Max DC	Max AC	Fluid temp. °C	Admissible ambient temp. °C	Seat disc	Reference numbers Valve reference no.	Coil	Power consumption (W) DC	Power consumption (W) AC	Degree of protection Ex	El. Part Group *	Dim ref.
Direct operated															



316L Stainless Steel body/Pipe mounting

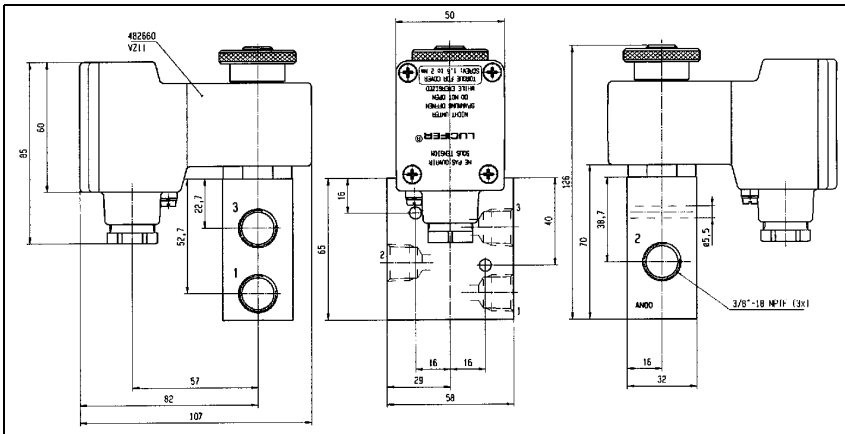
3/8	5	680	0	1000	1000	-25 to +65	-25 to +65	NBR	**U133X5296** 1	**492965.01**	0.8	-	EEx ia IIC T6	10	7669
	5	680	0	1000	1000	-25 to +65	-25 to +65	NBR		**492310**	6	6	EEx me II T4(T5)	10	
	5	680	0	1000	1000	-25 to +65	-25 to +65	NBR	**U133X52961D** 1	**483270**	8	8	EEx d IIC T4/T5/T6	10	7670
	5	680	0	1000	1000	-25 to +65	-25 to +65	NBR		**483270.02**	8	8	EEx d IIC T4/T5/T6	10	

Notes:

* See Electrical Parts Group table at end of section

1. Valve with NPT ports

Parker Lucifer SA
Fluid Control Division Europe
CH-1227 Carouge-Genève



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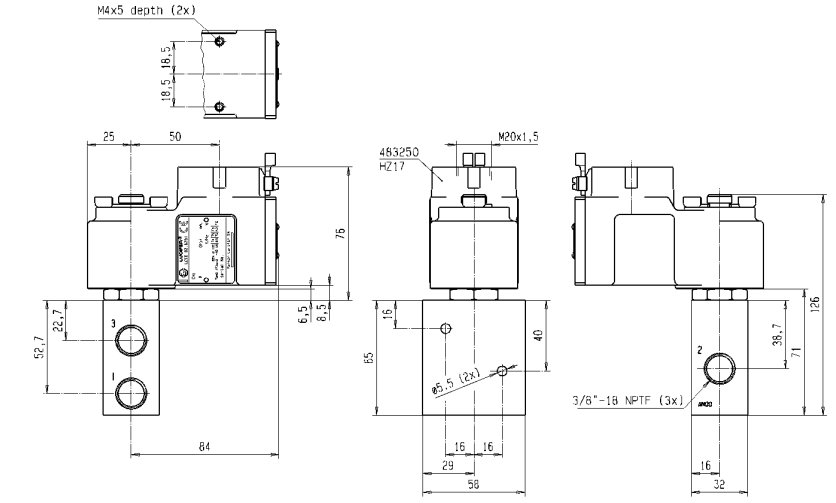

Dimension reference 7670

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NOTES

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Electrical parts options with 3/2 - 316L Stainless steel valves for chemical, petrochemical & Offshore applications

El.part Group	Coil	Protection class	Protection class / Temperature class	Power DC	Power AC	Coil Order No.	Coil Ref. No.	Connection	Housing Order No.	Housing Ref. No.	Ambient temp. min.	Ambient temp. max.
1	**22 mm**	IP65	**Class F**	2.5	2	DA01	**488980**	for DIN B plug	A2	**8993**	-40	50
		IP65	**Class F**	2.5	2	DA02	**481045**	with DIN B plug	A2	**8993**	-40	50
		IP65	**EEx m II T5**	2.5	2	VA12	**482606.10**	with 1500mm cable	00	**-**	-40	50
2	**32 mm**	IP65	**Class F**	9	8	DZ02	**481865**	for DIN A plug	NL	**8132**	-40	50
	(Std)	IP65	**Class F**	9	8	DZ03	**482725**	with DIN A plug	NL	**8132**	-40	50
		IP65	**Class H**	9	8	DZ04	**492453**	for DIN A plug	NL	**8132**	-40	50
		IP65	**Class H**	9	8	DZ05	**492726**	with DIN A plug	NL	**8132**	-40	50
		IP65	**Class F, 50/60 Hz**	-	9	DZ06	**483510**	for DIN A plug	NL	**8132**	-40	50
		IP65	**Class F, 50/60 Hz**	-	9	DZ07	**482635**	with DIN A plug	NL	**8132**	-40	50
		IP65	**EEx m II T4**	9	8	HZ90	**492670.10**	with 3000mm cable	00	**-**	-25	40
	50 mm	IP10/IP44	**Class F**	8	8	EZ01	**481000**	screw-terminals	E0	**4270**	-40	50
	(Std)	IP10/IP44	**Class H**	8	8	EZ02	**485100**	screw-terminals	E0	**4270**	-40	50
		IP67	**Class F, IP 67, M20x1.5**	8	8	EZ01	**481000**	screw-terminals	G1	**4538**	-40	50
		IP65	**EEx m II T4/T5**	9	8	VZ01	**492070**	with 1500mm cable	00	**-**	-40	40/65
		IP67	**EEx me II T4**	8	8	HZ06	**483371**	for cable connection	00	**-**	-40	65
		IP66	**EEx me II T3/T4**	11	9	VZ90	**492190.10**	for cable connection	00	**-**	-40	75/40
		IP67	**EEx me II T3/T4**	8	8	HZ23	**494040**	for cable connection	00	**-**	-40	90/65
		IP65	**EEx md IIC T4/T5**	8	8	HZ09	**493640**	with 1500mm cable	00	**-**	-40	75/40
5	**50 mm**	IP54	**EEx d IIC T4/T5/T6**	8	8	HZ08	**483250**	for cable, 1/2 NPT	00	**-**	-40	80/75/60
7	**32 mm**	IP65	**EEx ia II C T6**	0.4	-	DZ12	**483580.01**	for DIN A plug	NL	**8132**	-40	55
	I.S.	IP65	**EEx ia II C T6**	0.4	-	DZ13	**483960.01**	with DIN A plug	NL	**8132**	-40	55
	50 mm	IP66	**EEx ia II C T6**	0.4	-	VZ93	**494035.10**	for cable connection	00	**-**	-40	65
	I.S.	IP67	**EEx ia II C T6**	0.4	-	VZ08	**488660.01**	with 2000mm cable	00	**-**	-40	65
		IP65	**EEx ia II C T6**	0.4	-	VZ09	**488670.01**	with DIN A plug	00	**-**	-40	65
9	**32 mm**	IP65	**Class F**	9	9	DZ93	**492387**	with DIN A plug	N9	**8886**	-40	50
	50 mm	IP66	**EEx me II T5/T6**	1.5	-	VZ13	**492200**	for cable connection	00	**-**	-40	75/40
		IP67	**EEx me II T4**	8	-	VZ14	**483371.01**	for cable connection	00	**-**	-40	65
CPR		IP66	**EEx me II T4/T5**	6	6	VZ15	**492300**	for cable connection	00	**-**	-40	75/40
		IP67	**EEx m II T4/T5**	5	5	VZ02	**492270**	with 1500mm cable	00	**-**	-40	65/40
		IP65	**EEx ib IIB T6**	0.8	-	VZ11	**482660**	for cable connection	00	**-**	-40	75
		IP66	**EEx ib IIC T6**	0.8	-	VZ12	**483330.01**	for cable connection	00	**-**	-40	75
		IP66	**EEx ia IIC T6**	0.8	-	VZ92	**492965.02**	for cable connection	00	**-**	-40	65
10	**50 mm**	IP66	**EEx me II T5/T6**	1.5	-	VZ26	**492210**	for cable connection	00	**-**	-40	75/40
		IP66	**EEx me II T4/T5**	6	6	VZ27	**492310**	for cable connection	00	**-**	-40	75/40
OFFSHORE		IP65	**EEx ib IIB T6**	0.8	-	VZ11	**482660**	for cable connection	00	**-**	-40	75
		IP66	**EEx ib IIC T6**	0.8	-	VZ12	**483330.01**	for cable connection	00	**-**	-40	75
		IP66	**EEx ia IIC T6**	0.8	-	VZ91	**492965.01**	for cable connection	00	**-**	-40	65
11	**50 mm**	IP65	**EEx d II C T4/T5/T6**	8	8	HZ19	**483270**	for cable , M20x1.5	00	**-**	-40	80/75/60
	EEx d	IP65	**EEx d II C T4/T5/T6**	8	8	HZ21	**483270.02**	for cable , 1/2 NPT	00	**-**	-40	80/75/60
12	**50 mm**	IP66	**EEx me II T4/T5**	6	6	VZ27	**492310**	for cable connection	00	**-**	-40	75/40
		IP66	**EEx ia IIB T6**	0.8	-	VZ22	**482160.01**	for cable connection	00	**-**	-40	65
		IP66	**EEx ia IIC T6**	0.8	-	VZ23	**482870.01**	for cable connection	00	**-**	-40	65

Note: This table is indicative only. Please contact your distributor to confirm your selection.

Parker Lucifer SA
Fluid Control Division Europe
CH-1227 Carouge-Genève

316L St. Steel valves for actuator control

ACTUATION	CONNECTION	ORIFICE (MM)	MAX. PRESSURE (BAR) <KPA>	PAGE
Direct operated	1/4	2.5 to 5	<1000.0>	288
	3/8	5	<1000.0>	290/292
	SB	2.5	<1000.0>	292
Pilot operated	1/4 - 1/8	4	10.0	296/298/308/310
	3/8 - 1/4	8	10.0	300/302/312
Pilot operated - Integrated pilot	1/4 - 1/8	4	10.0	296/308
	3/8 - 1/4	8	10.0	298/310
Two solenoids and main pressure supply	1/4 - 1/8	4	10.0	304/314
	3/8 - 1/4	8	10.0	304/306/314
Pilot operated with external pressure supply	3/8 - 1/4	8	10.0	302
External pressure supply	3/8 - 1/4	8	10.0	302
Direct operated with manual reset	1/4	5	<1000.0>	292/294
	3/8	5	<1000.0>	294

Notes:

Parker Lucifer SA
Fluid Control Division Europe
CH-1227 Carouge-Genève

316 St. Steel valves for actuator control

3/2

Applications

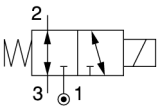
Directional control and fail/safe function in valve actuator circuits in corrosive and hazardous environment.

Solenoid pilots for main stage valves in corrosive and hazardous locations.

Port size	Orifice (mm)	Flow factors (L/min	Admissible differential pressure kPa			Fluid temp. °C		Seat disc	Reference numbers			OR	Power consumption (W)		Wt. (g)	El. Part Group *	Dim ref.
			Min	Max													
NPT		Qn		DC	AC	Min	Max		Global valve reference	Valve reference no.	Housing	Coil	DC	AC			

316L Stainless Steel body/Pipe mounting

Direct operated



1/4	2.5	220	0	850	850	-25	75	FKM	7133VRN2LV9D	**U133V56951D** [1]	-	**483270**	8	8	-	11	6714
	2.5	220	0	850	850	-25	75	FKM			-	**483270.02**	8	8	-	11	
	2.5	220	0	850	-	-25	75	FKM	7133VRN2LV95	**U133V5695** [1]	-	**492965.01** [2]	0.8	-	-	10	86
	2.5	220	0	850	850	-25	75	FKM			-	**492310** [3]	6	6	-	10	
	5	680	0	1000	1000	-25	65	NBR	7133XRN2SV1D	**U133X51561D** [1]	-	**483270**	8	8	1960	11	7011
	5	680	0	1000	1000	-25	65	NBR			-	**483270.02**	8	8	1960	11	

Table continued on page 290

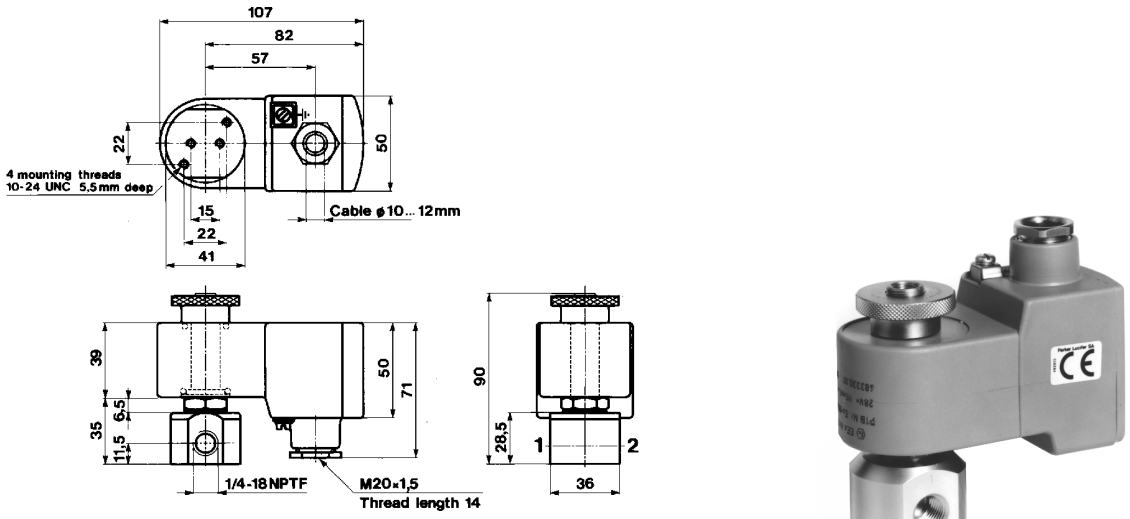
Notes:

* See Electrical Parts Group table at end of section

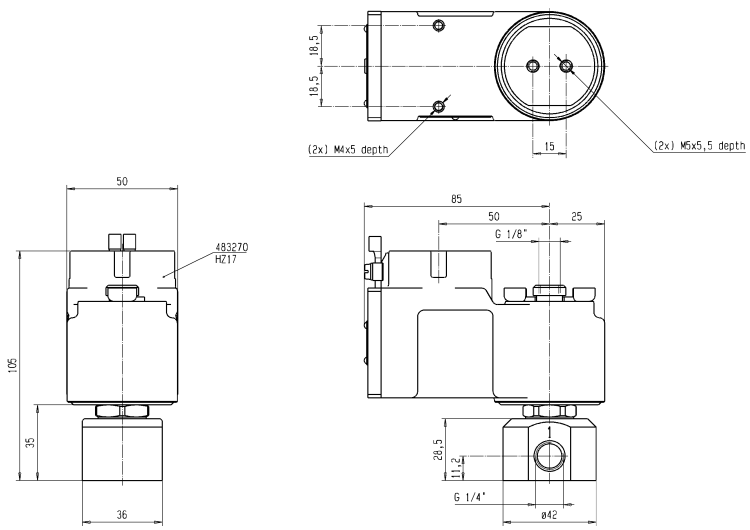
1. Valve with NPT ports
2. Max. power consumption DC = 1 W with connected cable length max. 4 km (2 km back and forth), section 1 mm²
3. Other coil-housing available

Parker Lucifer SA
Fluid Control Division Europe
CH-1227 Carouge-Genève

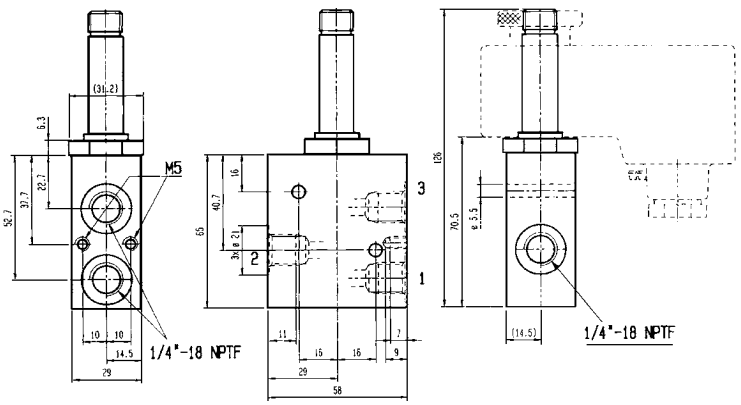
316 St. Steel valves for actuator control



Dimension reference 86



Dimension reference 6714



Dimension reference 7011

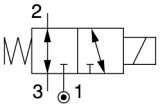
Parker Lucifer SA
Fluid Control Division Europe
CH-1227 Carouge-Genève

316 St. Steel valves for actuator control

Port size NPT	Orifice (mm)	Flow factors (L/min Qn	Admissible differential pressure kPa Min	Max DC	Max AC	Fluid temp. °C Min	Fluid temp. °C Max	Seat disc	Reference numbers: Global valve reference	Valve reference no.	Housing	OR Coil	Power consumption (W) DC	Power consumption (W) AC	Wt. (g)	El. Part Group *	Dim ref.

316L Stainless Steel body/Pipe mounting

Direct operated



1/4	5	680	0	1000	-	-25	65	NBR	7133XRN2SV00	**U133X5156** [1]	-	**492965.01**	0.8	-	1340	10	7770
	5	680	0	1000	1000	-25	65	NBR			-	**492310**	6	6	1340	10	
3/8	5	680	0	1000	1000	-25	65	NBR	7133XRN3SN9H	**U133X52961D** [1]	-	**483270**	8	8	1940	10	7670
	5	680	0	1000	1000	-25	65	NBR			-	**483270.02**	8	8	1940	10	
	5	680	0	1000	1000	-25	65	NBR	7133XRN3SN96	**U133X5296** [1]	-	**492965.01**	0.8	-	-	10	7669
	5	680	0	1000	1000	-25	65	NBR			-	**492310**	6	6	-	10	

Table continued on page 292

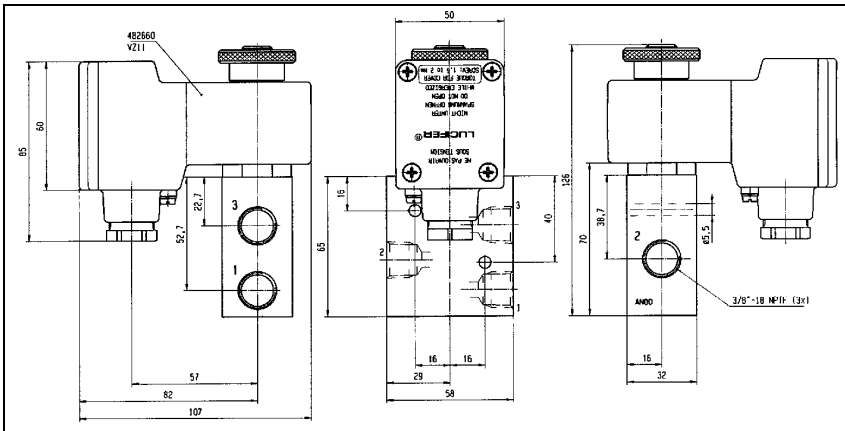
Notes:

* See Electrical Parts Group table at end of section

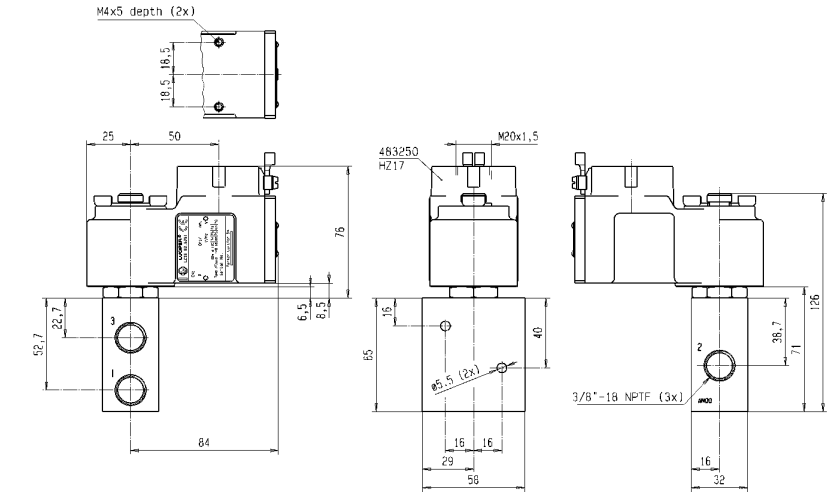
1. Valve with NPT ports

Parker Lucifer SA
Fluid Control Division Europe
CH-1227 Carouge-Genève

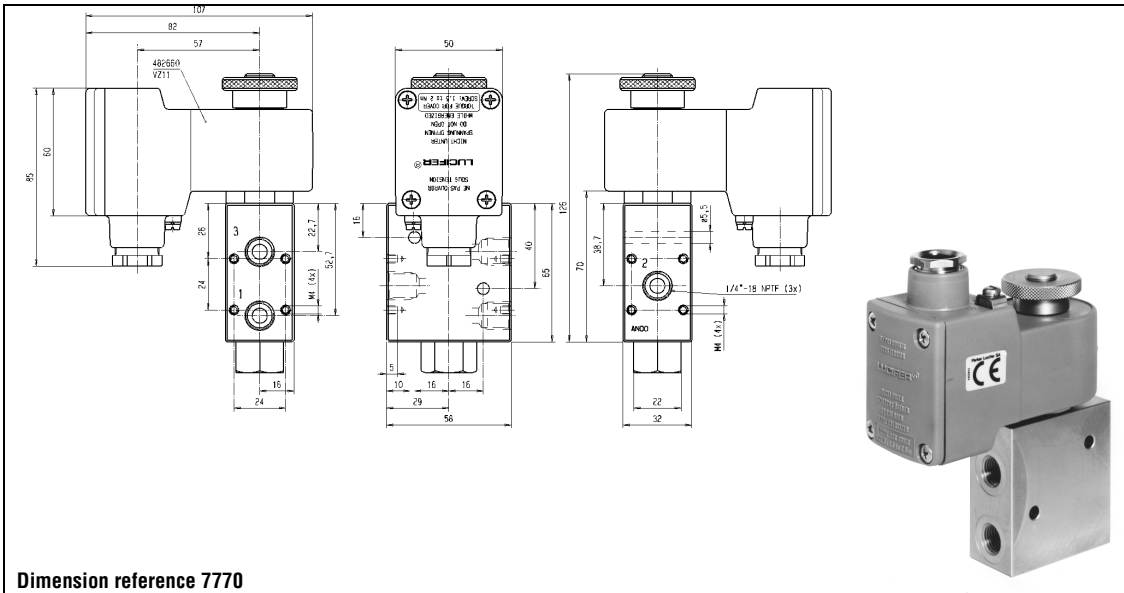
316 St. Steel valves for actuator control



Dimension reference 7669



Dimension reference 7670



Dimension reference 7770

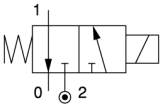
Parker Lucifer SA
Fluid Control Division Europe
CH-1227 Carouge-Genève

316 St. Steel valves for actuator control

Port size	Orifice (mm)	Flow factors (L/min	Admissible differential pressure kPa			Fluid temp. °C		Seat disc	Reference numbers				Power consumption (W)		Wt. (g)	El. Part Group *	Dim ref.
			Min	Max		Min	Max		Global valve reference	Valve reference no.	Housing	Coil	DC	AC			
NPT		Qn		DC	AC							OR					

316L Stainless Steel body/Sub-base mounting

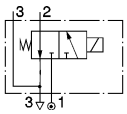
Direct operated



SB	2.5	220	0	1000	-	-25	65	FKM	7131FRF2LV95	**U131F5695** [1]	-	**492965.01**	0.8	-	700	10	85
	2.5	220	0	1000	1000	-25	75	FKM			-	**492310**	6	6	700	10	

316L Stainless Steel body/NAMUR interface

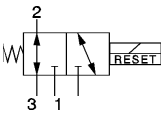
Direct operated



3/8	5	680	0	1000	1000	-25	65	NBR	7131XRKMVN00	**U131X1201** [1]	-	**492965.01**	0.8	-	-	9,10	7668
	5	680	0	1000	1000	-25	65	NBR			-	**492310**	6	6	-	9,10	

316L Stainless Steel body/Pipe mounting

Direct operated with manual reset



1/4	5	680	0	1000	1000	-25	65	NBR	7033XRN2SN1D	**U033X51561D** [2]	-	**483270** [1]	8	8	2150	11	7030
	5	680	0	1000	1000	-25	65	NBR			-	**483270.02** [1]	8	8	2150	11	

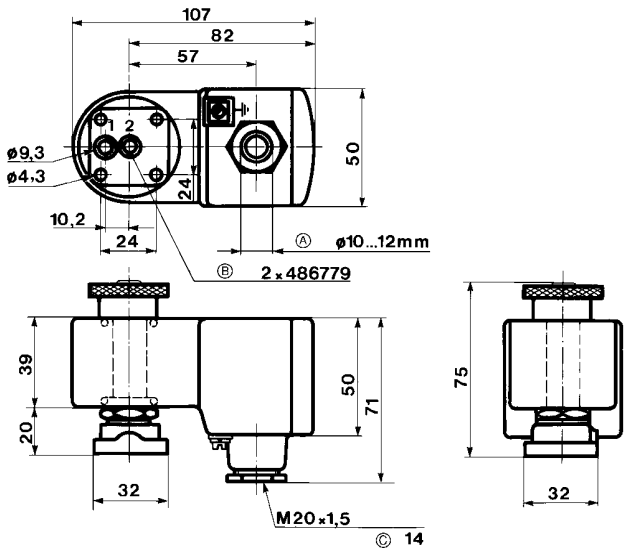
Table continued on page 294

Notes:

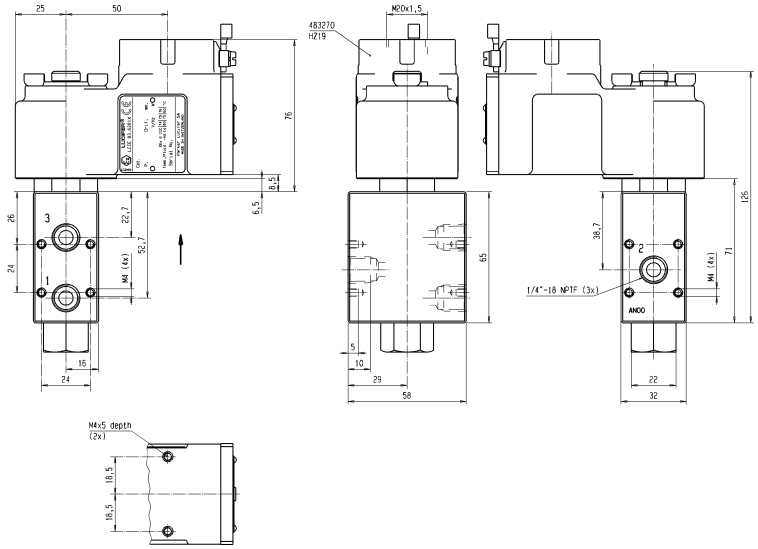
* See Electrical Parts Group table at end of section

1. Valve with NPT ports
2. With manual reset

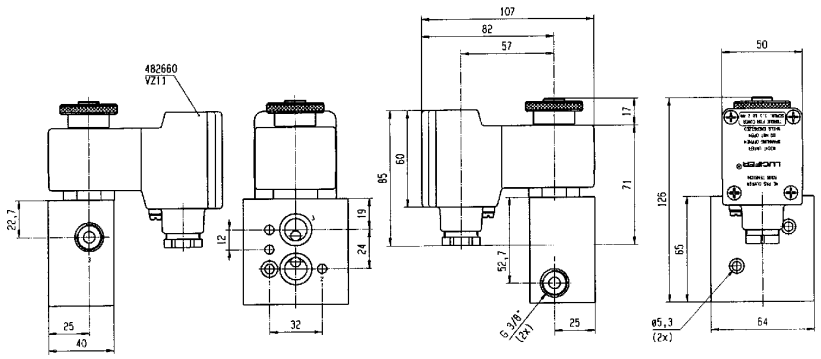
Parker Lucifer SA
Fluid Control Division Europe
CH-1227 Carouge-Genève



Dimension reference 85



Dimension reference 7030



Dimension reference 7668

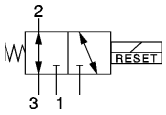
Parker Lucifer SA
Fluid Control Division Europe
CH-1227 Carouge-Genève

316 St. Steel valves for actuator control

Port size NPT	Orifice (mm)	Flow factors (L/min Qn	Admissible differential pressure kPa Min	Max DC	Max AC	Fluid temp. °C Min	Fluid temp. °C Max	Seat disc	Reference numbers Global valve reference	Valve reference no.	Housing	OR Coil	Power consumption (W) DC	Power consumption (W) AC	Wt. (g)	El. Part Group *	Dim ref.

316L Stainless Steel body/Pipe mounting

Direct operated with manual reset



1/4	5	680	0	1000	-	-25	65	NBR	7033XRN2SN00	**U033X5156** [1]	-	**482870.01** [2]	0.8	-	1300	12	7771
	5	680	0	1000	1000	-25	65	NBR			-	**492310** [2]	6	6	1300	12	
3/8	5	680	0	1000	1000	-25	65	NBR	7033XRN3SN1D	**U033X52561D** [1]	-	**483270** [2]	8	8	1980	11	7672
	5	680	0	1000	1000	-25	65	NBR			-	**483270.02** [2]	8	8	1980	11	
	5	680	0	1000	-	-25	65	NBR	7033XRN3SN00	**U033X5256** [1]	-	**482870.01** [2]	0.8	-	1300	12	7671
	5	680	0	1000	1000	-25	65	NBR			-	**492310** [2]	6	6	1300	12	

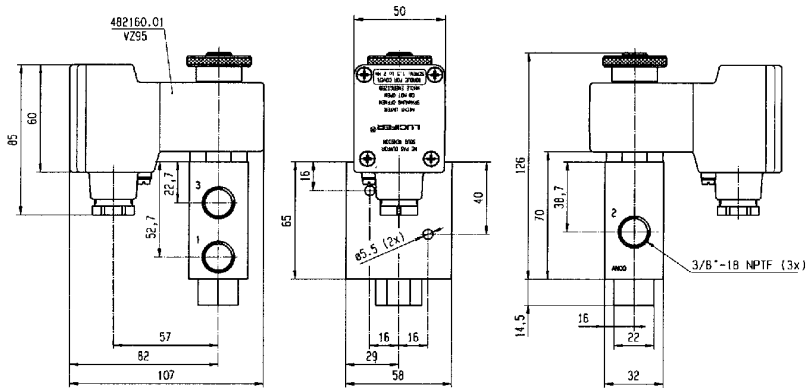
Notes:

* See Electrical Parts Group table at end of section

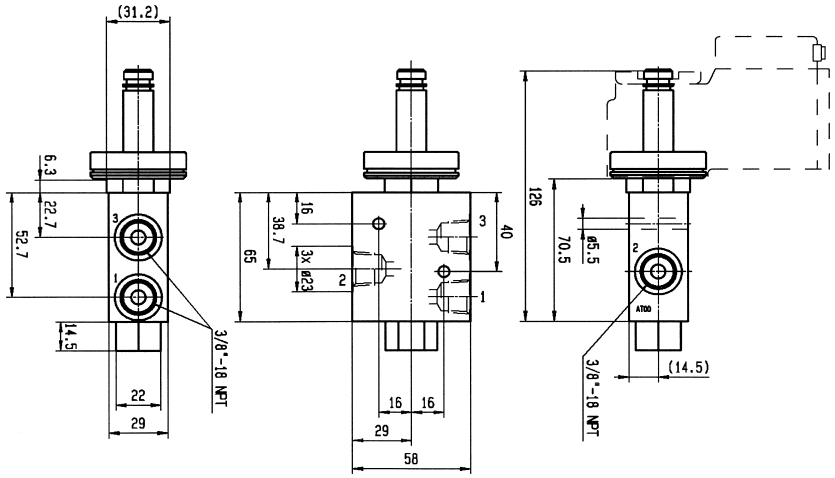
1. With manual reset
2. Valve with NPT ports

Parker Lucifer SA
Fluid Control Division Europe
CH-1227 Carouge-Genève

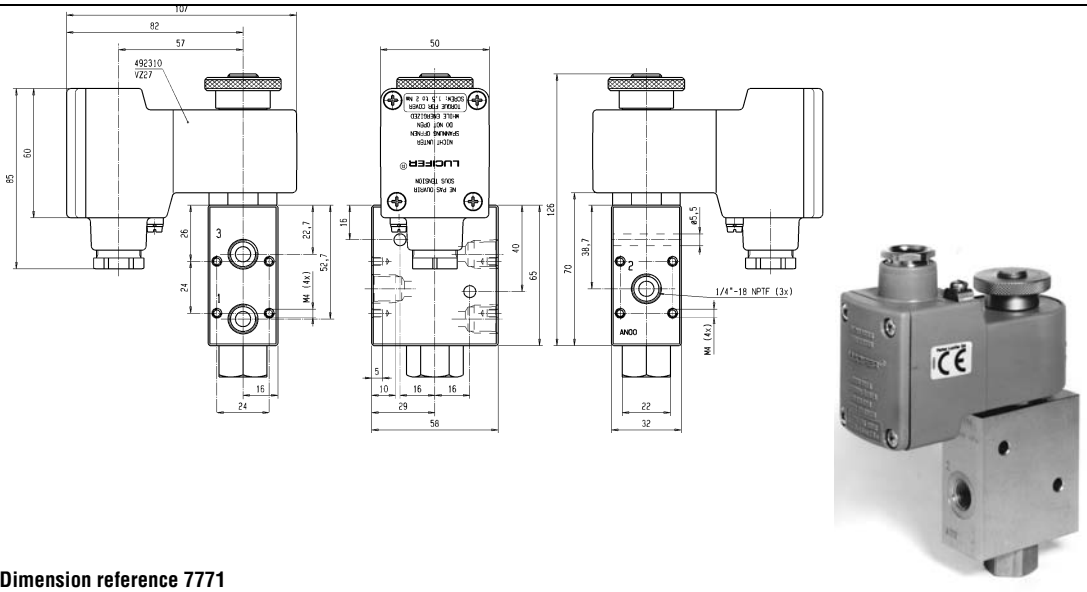
316 St. Steel valves for actuator control



Dimension reference 7671



Dimension reference 7672



Dimension reference 7771

Parker Lucifer SA
Fluid Control Division Europe
CH-1227 Carouge-Genève

316L St. Steel valves for actuator control

5/2

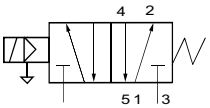
Applications

Directional control and fail/safe function in valve actuator circuits in corrosive and hazardous environment.

Solenoid pilots for main stage valves in corrosive and hazardous locations.

Port size	Orifice (mm)	Flow factors (L/min	Admissible differential pressure bar			Fluid temp. °C		Seat disc	Reference numbers			OR	Power consumption (W)		Wt. (g)	El. Part Group *	Dim ref.
			Min	Max		Min	Max		Global valve reference	Valve reference no.	Housing	Coil	DC	AC			
NPT		Qn		DC	AC												

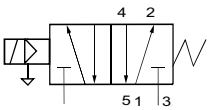
Pilot operated - Integrated pilot



316L Stainless Steel body/Pipe mounting

1/4 - 1/8	4	600	2	10	10	-25	80	NBR	2341PRN2JNM1	**U341P0150** 1	**A2**	**488980** 2	2.5	2	220	1	7576

Pilot operated



316L Stainless Steel body/Pipe mounting

1/4 - 1/8	4	600	2	10	10	-25	80	NBR	7341PRN2JN00	**U341P3150** 2	**NL**	**481865**	9	8	420	2	7547
	4	600	2	10	10	-25	80	NBR			**E0**	**481000**	8	8	420	2	
	4	600	2	10	10	-25	55	NBR	7341PRN2JN92	**U341P3192** 2	**NL**	**483580.01**	0.4	-	420	7	7549

Table continued on page 298

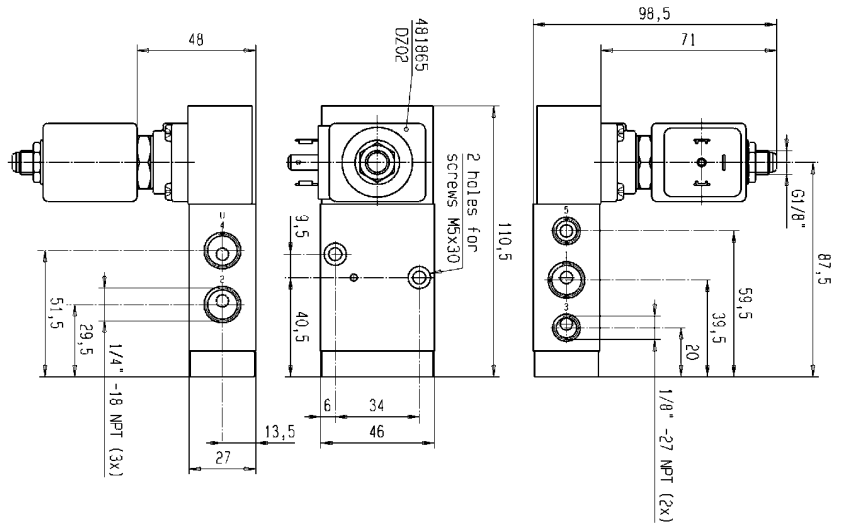
Notes:

* See Electrical Parts Group table at end of section

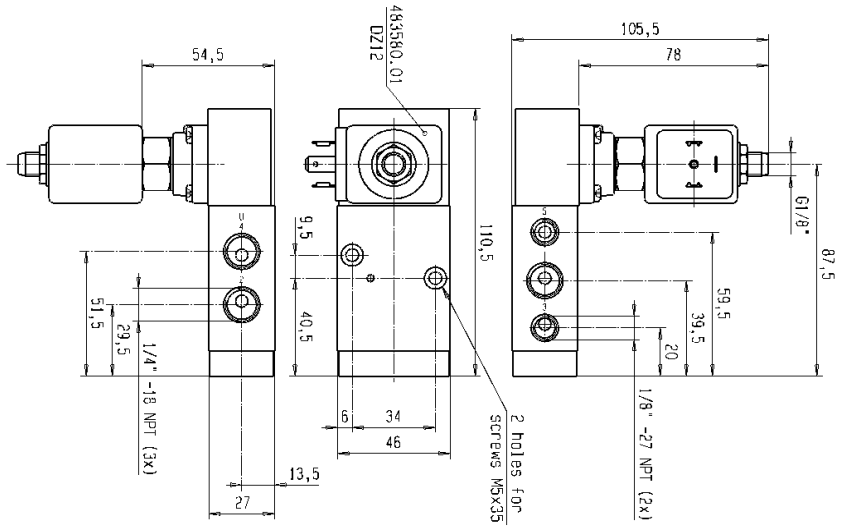
1. Manual override standard
2. Valve with NPT ports

Parker Lucifer SA
Fluid Control Division Europe
CH-1227 Carouge-Genève

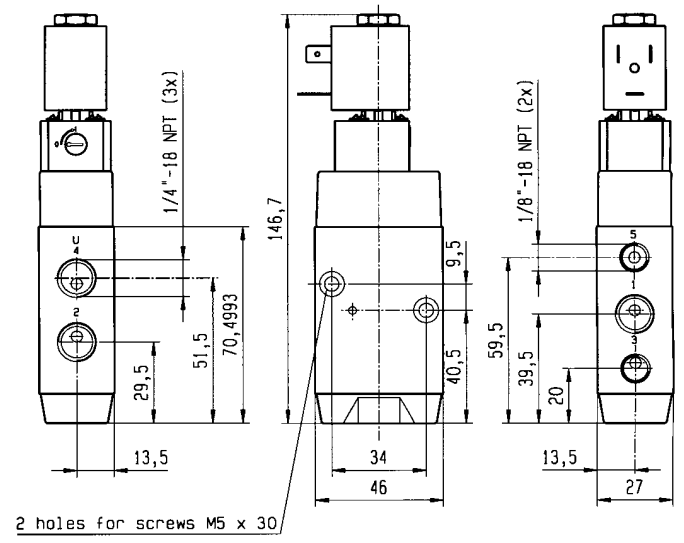
316L Stainless Steel valves for actuator control - 5/2 valves - Pipe connection



Dimension reference 7547



Dimension reference 7549



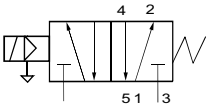
Dimension reference 7576

Parker Lucifer SA
Fluid Control Division Europe
CH-1227 Carouge-Genève

316L Stainless Steel valves for actuator control - 5/2 valves - Pipe connection

Port size	Orifice (mm)	Flow factors (L/min	Admissible differential pressure bar			Fluid temp. °C		Seat disc	Reference numbers			OR	Power consumption (W)		Wt. (g)	El. Part Group *	Dim ref.
			Min	Max		Min	Max		Global valve reference	Valve reference no.	Housing	Coil	DC	AC			
NPT		Qn		DC	AC												

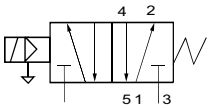
Pilot operated



316L Stainless Steel body/Pipe mounting

1/4 - 1/8	4	600	2	10	10	-25	75	NBR	7341PRN2JN95	**U341P3195** 1	-	**492965.01**	0.8	-	-	10	7550
	4	600	2	10	10	-25	75	NBR			-	**492310**	6	6	-	10	
	4	600	2	10	10	-10	75	NBR	7341PRN2JN9D	**U341P31951D** 1	-	**483270**	8	8	-	11	7551
	4	600	2	10	10	-10	75	NBR			-	**483270.02**	8	8	-	11	

Pilot operated - Integrated pilot



316L Stainless Steel body/Pipe mounting

3/8 - 1/4	8	1400	2	10	10	-25	80	NBR	2341PRN3NNM1	**U341P0250** 2	**A2**	**488980** 1	2.5	2	-	1	7578

Table continued on page 300

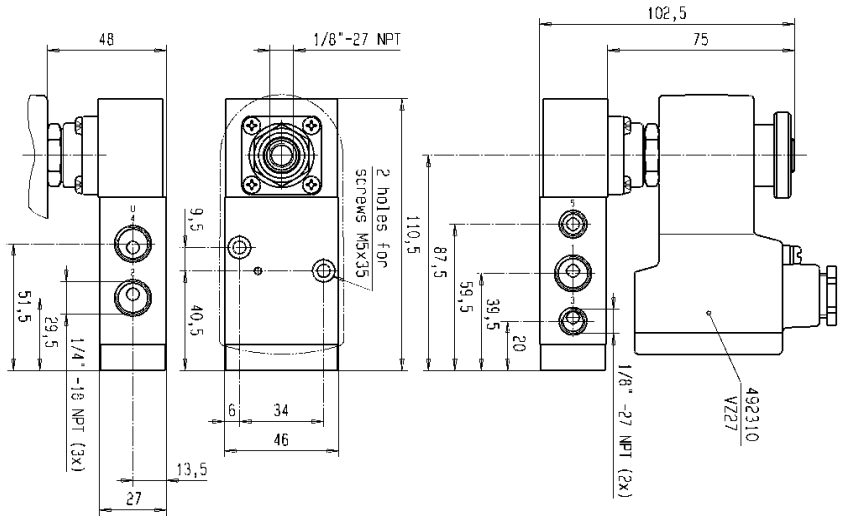
Notes:

* See Electrical Parts Group table at end of section

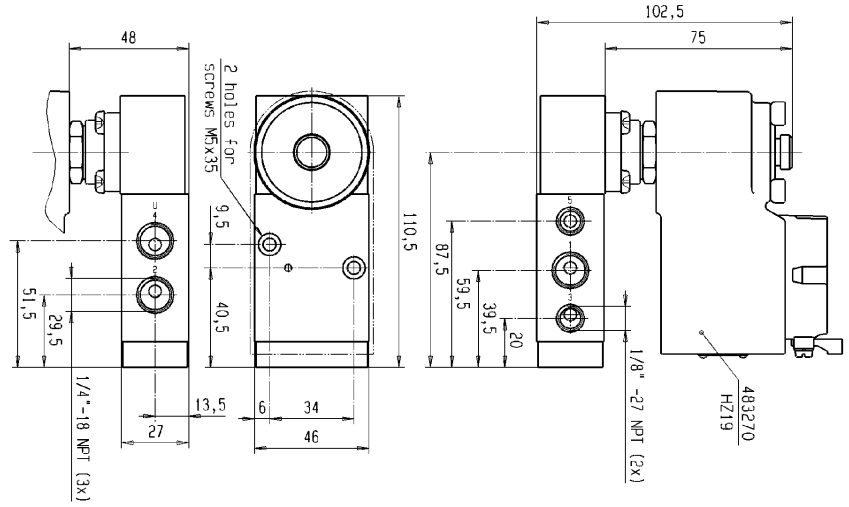
1. Valve with NPT ports
2. Manual override standard

Parker Lucifer SA
Fluid Control Division Europe
CH-1227 Carouge-Genève

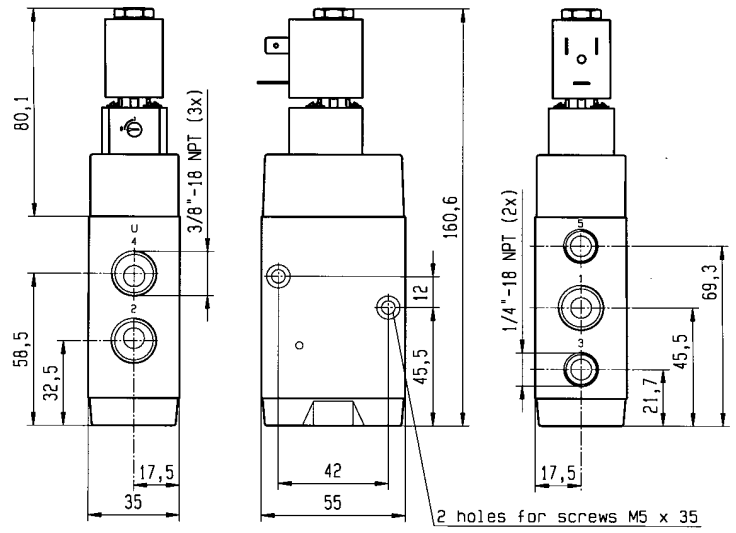
316L Stainless Steel valves for actuator control - 5/2 valves - Pipe connection



Dimension reference 7550



Dimension reference 7551



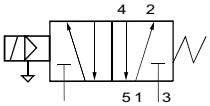
Dimension reference 7578

Parker Lucifer SA
Fluid Control Division Europe
CH-1227 Carouge-Genève

316L Stainless Steel valves for actuator control - 5/2 valves - Pipe connection

Port size	Orifice (mm)	Flow factors (L/min	Admissible differential pressure bar			Fluid temp. °C		Seat disc	Reference numbers				Power consumption (W)		Wt. (g)	El. Part Group *	Dim ref.
			Min	Max								OR					
NPT		Qn		DC	AC	Min	Max		Global valve reference	Valve reference no.	Housing	Coil	DC	AC			

Pilot operated



316L Stainless Steel body/Pipe mounting

3/8 - 1/4	8	1400	2	10	10	-25	80	NBR	7341PRN3NN00	**U341P3250** [1]	**NL**	**481865**	9	8	-	2	7558
	8	1400	2	10	10	-25	80	NBR			**E0**	**481000**	8	8	-	2	
	8	1400	2	10	10	-25	80	NBR	7341PRN3NN92	**U341P3292** [1]	**NL**	**483580.01**	0.4	-	-	7	7560
	8	1400	2	10	10	-25	75	NBR	7341PRN3NN95	**U341P3295** [1]	**-**	**492965.01**	0.8	-	-	10	7561
	8	1400	2	10	10	-25	75	NBR			**-**	**492310**	6	6	-	10	

Table continued on page 302

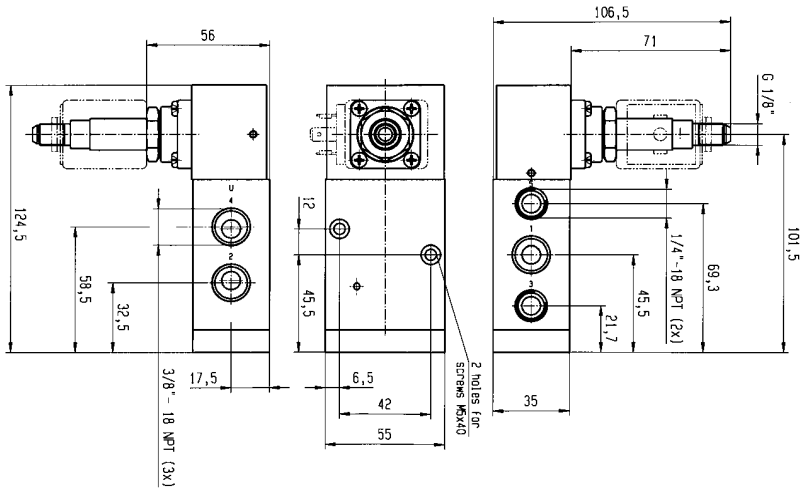
Notes:

* See Electrical Parts Group table at end of section

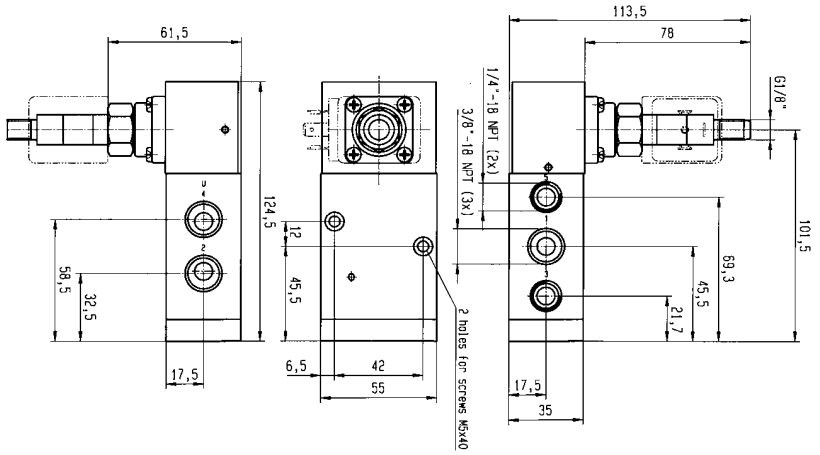
1. Valve with NPT ports

Parker Lucifer SA
Fluid Control Division Europe
CH-1227 Carouge-Genève

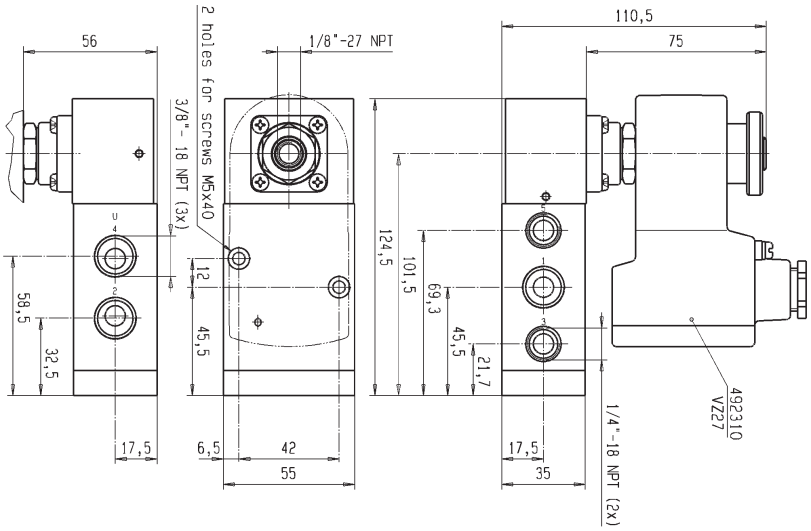
316L Stainless Steel valves for actuator control - 5/2 valves - Pipe connection



Dimension reference 7558



Dimension reference 7560

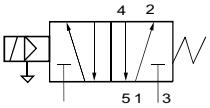


Dimension reference 7561

Parker Lucifer SA
Fluid Control Division Europe
CH-1227 Carouge-Genève

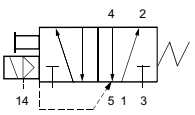
316L Stainless Steel valves for actuator control - 5/2 valves - Pipe connection

Port size NPT	Orifice (mm)	Flow factors (L/min Qn	Admissible differential pressure bar Min	Max DC	Max AC	Fluid temp. °C Min	Fluid temp. °C Max	Seat disc	Reference numbers Global valve reference	Valve reference no.	Housing	OR Coil	Power consumption (W) DC	Power consumption (W) AC	Wt. (g)	El. Part Group *	Dim ref.
Pilot operated																	
3/8 - 1/4	8	1400	2	10	10	-10	80	NBR	7341PRN3NN9D	**U341P32951D**	**-**	**483270**	8	8	-	11	7562
	8	1400	2	10	10	-10	80	NBR			**-**	**483270.02**	8	8	-	11	



316L Stainless Steel body/Pipe mounting

Port size NPT	Orifice (mm)	Flow factors (L/min Qn	Admissible differential pressure bar Min	Max DC	Max AC	Fluid temp. °C Min	Fluid temp. °C Max	Seat disc	Reference numbers Global valve reference	Valve reference no.		Housing	OR Coil	Power consumption (W) DC	Power consumption (W) AC	Wt. (g)	El. Part Group *	Dim ref.
Pilot operated with external pressure supply																		
3/8 - 1/4	8	1400	2	10	10	-25	80	NBR	7441PRN3NN00	**U441P3250**	1	**NL**	**481865**	9	8	-	2	7565
	8	1400	2	10	10	-25	80	NBR				**E0**	**481000**	8	8	-	2	



316L Stainless Steel body/Pipe mounting

Port size NPT	Orifice (mm)	Flow factors (L/min Qn	Admissible differential pressure bar Min	Max DC	Max AC	Fluid temp. °C Min	Fluid temp. °C Max	Seat disc	Reference numbers Global valve reference	Valve reference no.		Housing	OR Coil	Power consumption (W) DC	Power consumption (W) AC	Wt. (g)	El. Part Group *	Dim ref.
External pressure supply																		
3/8 - 1/4	8	1400	2	10	10	-25	80	NBR	7541PRN3NNM1	**U541P0250**	1	**-**	**-**	-	-	-		7566

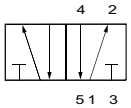


Table continued on page 304

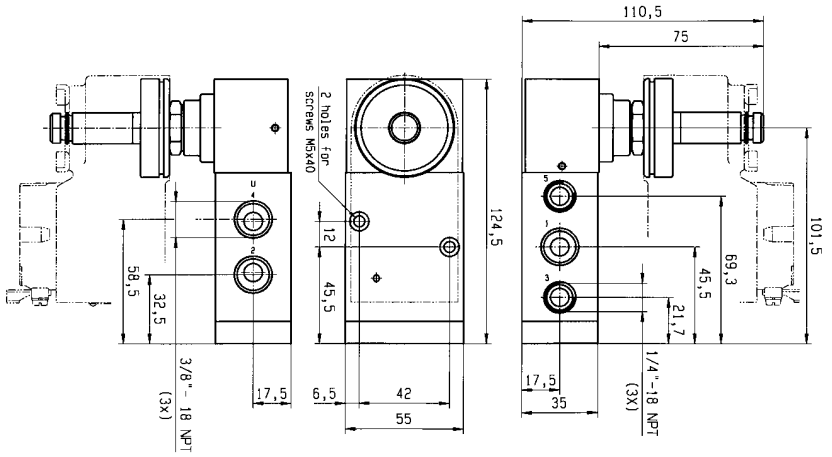
Notes:

* See Electrical Parts Group table at end of section

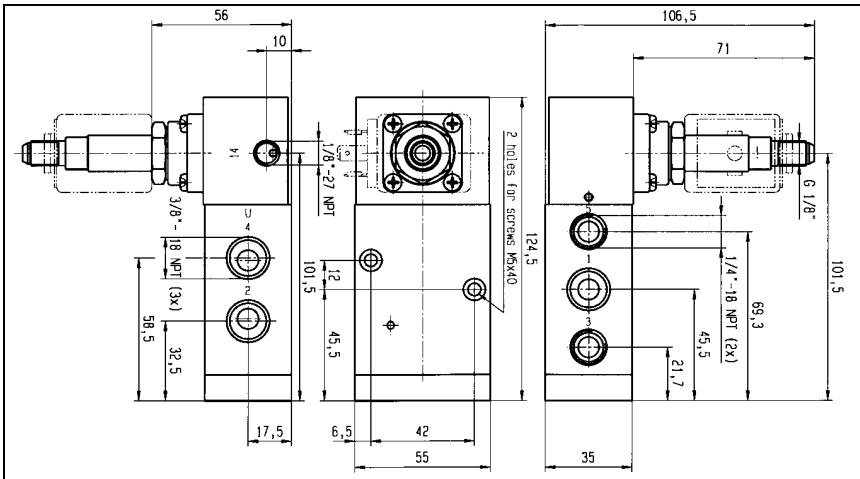
1. Valve with NPT ports

Parker Lucifer SA
Fluid Control Division Europe
CH-1227 Carouge-Genève

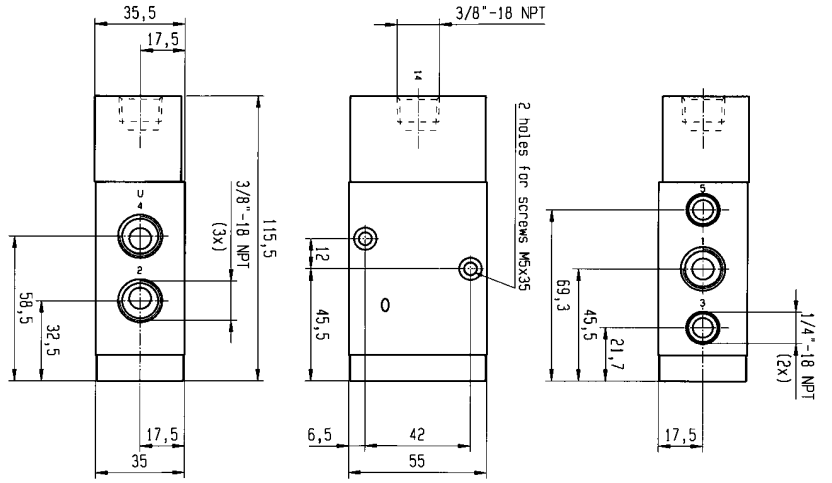
316L Stainless Steel valves for actuator control - 5/2 valves - Pipe connection



Dimension reference 7562



Dimension reference 7565



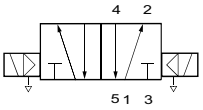
Dimension reference 7566

Parker Lucifer SA
Fluid Control Division Europe
CH-1227 Carouge-Genève

316L Stainless Steel valves for actuator control - 5/2 valves - Pipe connection

Port size	Orifice (mm)	Flow factors (L/min	Admissible differential pressure bar			Fluid temp. °C		Seat disc	Reference numbers				Power consumption (W)		Wt. (g)	El. Part Group *	Dim ref.
			Min	Max		Min	Max		Global valve reference	Valve reference no.	Housing	Coil	DC	AC			
NPT		Qn		DC	AC												
1/4 - 1/8	4	600	2	10	10	-25	80	NBR	7347PRN2JN00	**U347P3150** [1]	**NL**	**481865**	9	8	-	2	7552
	4	600	2	10	10	-25	80	NBR			**E0**	**481000**	8	8	-	2	
	4	600	2	10	10	-25	65	NBR	7347PRN2JN95	**U347P3195** [1]	**-**	**492965.01**	0.8	-	-	10	7553
	4	600	2	10	10	-25	75	NBR			**-**	**492310**	6	6	-	10	
3/8 - 1/4	8	1400	2	10	10	-25	80	NBR	7347PRN3NN00	**U347P3250** [1]	**NL**	**481865**	9	8	-	2	7563
	8	1400	2	10	10	-25	80	NBR			**E0**	**481000**	8	8	-	2	

Two solenoids and main pressure supply



316L Stainless Steel body/Pipe mounting

Table continued on page 306

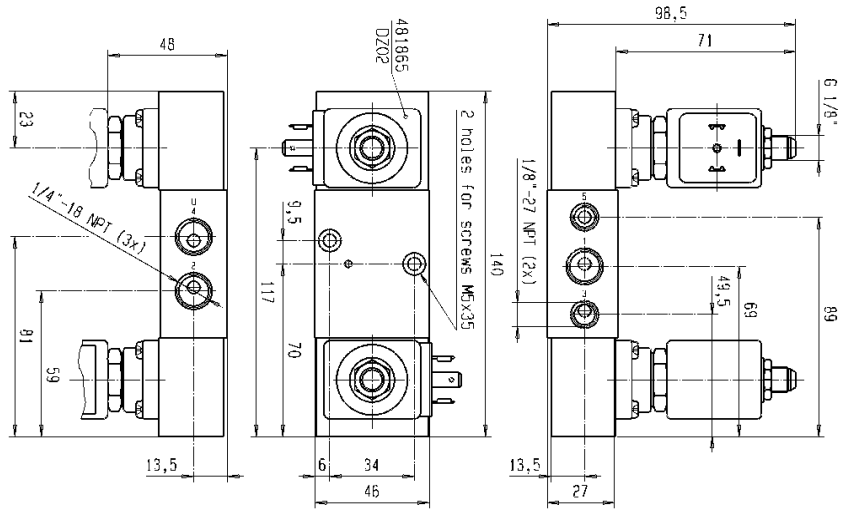
Notes:

* See Electrical Parts Group table at end of section

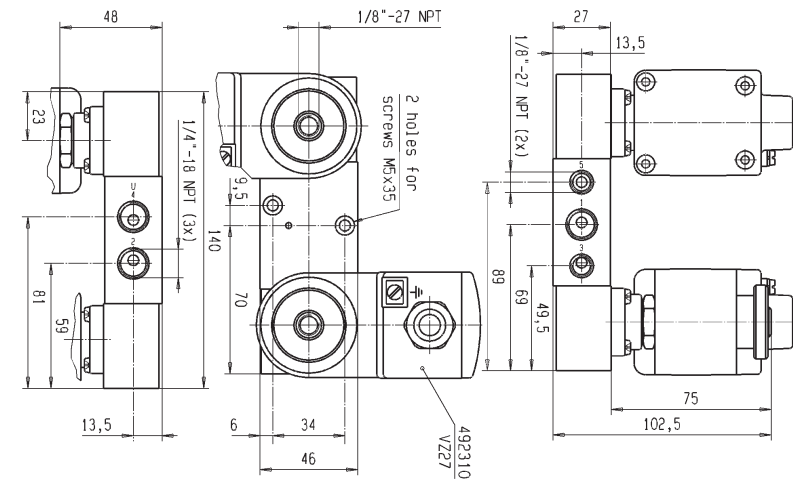
1. Valve with NPT ports

Parker Lucifer SA
Fluid Control Division Europe
CH-1227 Carouge-Genève

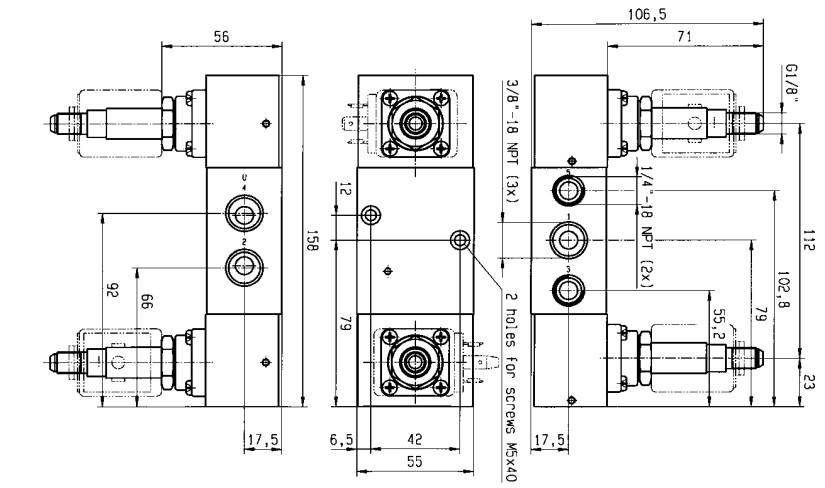
316L Stainless Steel valves for actuator control - 5/2 valves - Pipe connection



Dimension reference 7552



Dimension reference 7553



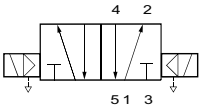
Dimension reference 7563

Parker Lucifer SA
Fluid Control Division Europe
CH-1227 Carouge-Genève

316L Stainless Steel valves for actuator control - 5/2 valves - Pipe connection

Port size	Orifice (mm)	Flow factors (L/min	Admissible differential pressure bar			Fluid temp. °C		Seat disc	Reference numbers			OR	Power consumption (W)		Wt. (g)	El. Part Group *	Dim ref.
			Min	Max													
NPT		Qn		DC	AC	Min	Max		Global valve reference	Valve reference no.	Housing	Coil	DC	AC			

Two solenoids and main pressure supply



316L Stainless Steel body/Pipe mounting

3/8 - 1/4	8	1400	2	10	10	-25	75	NBR	7347PRN3NN95	**U347P3295** [1]	-	**492965.01**	0.8	-	-	10	7564
	8	1400	2	10	10	-25	75	NBR			-	**492310**	6	6	-	10	

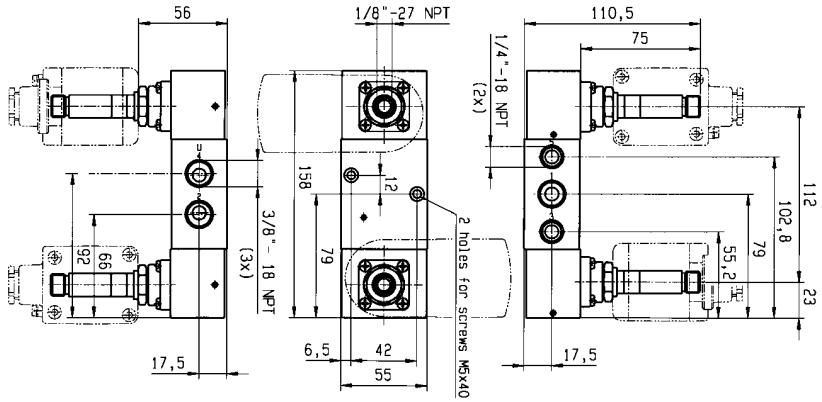
Notes:

* See Electrical Parts Group table at end of section

1. Valve with NPT ports

Parker Lucifer SA
Fluid Control Division Europe
CH-1227 Carouge-Genève

316L Stainless Steel valves for actuator control - 5/2 valves - Pipe connection



Dimension reference 7564

Parker Lucifer SA
Fluid Control Division Europe
CH-1227 Carouge-Genève

316L St. Steel valves for actuator control

3/2
5/2

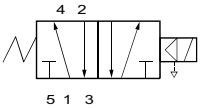
Applications

Directional control and fail/safe function in valve actuator circuits in corrosive and hazardous environment.

Solenoid pilots for main stage valves in corrosive and hazardous locations.

Port size NPT	Orifice (mm)	Flow factors (L/min Qn	Admissible differential pressure bar Min	Max DC	Max AC	Fluid temp. °C Min	Max	Seat disc	Reference numbers Global valve reference	Valve reference no.	Housing	OR Coil	Power consumption (W) DC	AC	Wt. (g)	El. Part Group *	Dim ref.

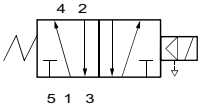
Pilot operated - Integrated pilot



316L Stainless Steel body/NAMUR interface

1/4 - 1/8	4	600	2	10	10	-25	80	NBR	2341NRKDJNM1	**U341N0150** 1	**A2**	**488980** 2	2.5	2	-	1	7575

Pilot operated



316L Stainless Steel body/NAMUR interface

1/4 - 1/8	4	600	2	10	10	-25	75	NBR	7341NRKDJN00	**U341N3150** 2	**NL**	**481865**	9	8	-	2	7542
	4	600	2	10	10	-25	75	NBR			**E0**	**481000**	8	8	-	2	
	4	600	2	10	10	-25	80	NBR	7341NRKDJN1D	**U341N31501D** 2	**-**	**483250**	8	8	-	5	7543

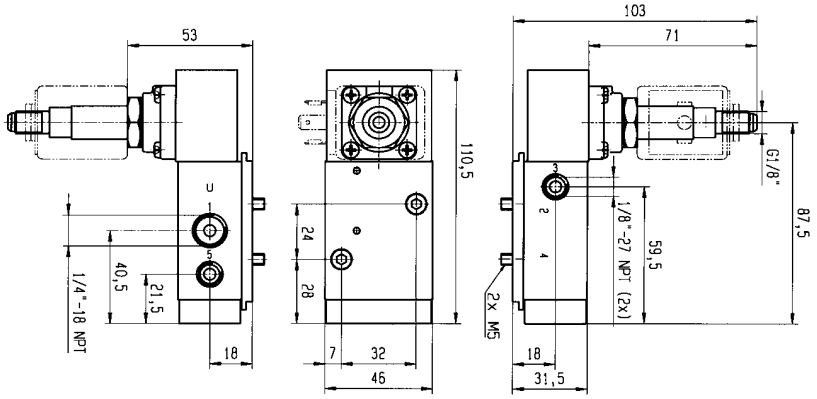
Table continued on page 310

Notes:

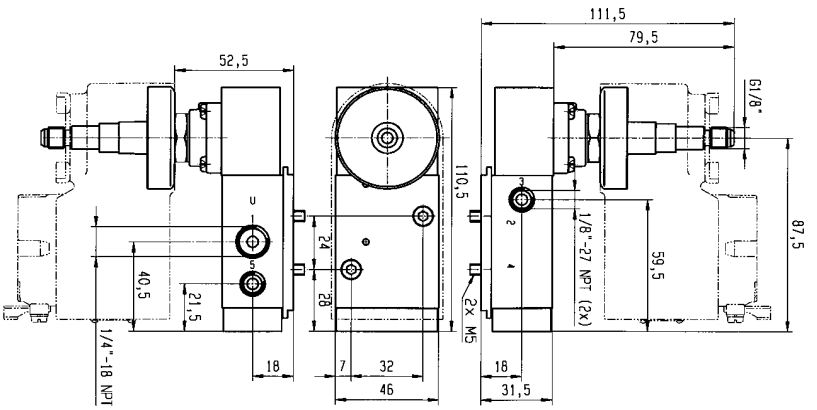
* See Electrical Parts Group table at end of section
1. Manual override standard
2. Valve with NPT ports

Parker Lucifer SA
Fluid Control Division Europe
CH-1227 Carouge-Genève

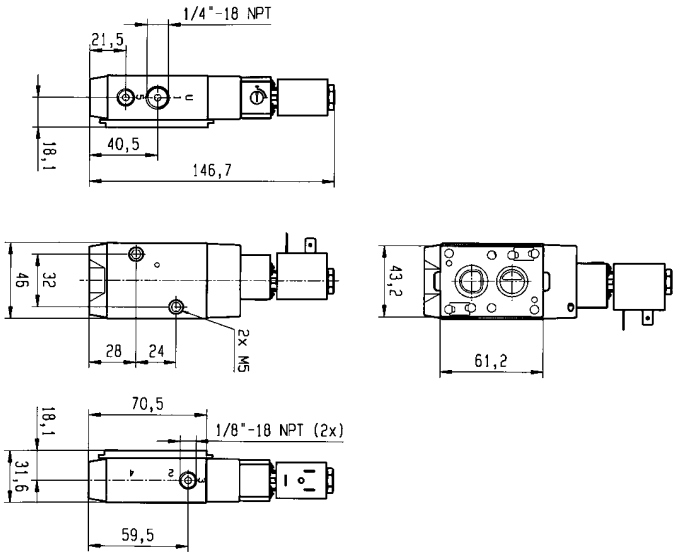
316L Stainless Steel valves for actuator control - 3/2 or 5/2 valves - NAMUR interface



Dimension reference 7542



Dimension reference 7543



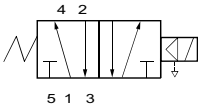
Dimension reference 7575

Parker Lucifer SA
Fluid Control Division Europe
CH-1227 Carouge-Genève

316L Stainless Steel valves for actuator control - 3/2 or 5/2 valves - NAMUR interface

Port size	Orifice (mm)	Flow factors (L/min	Admissible differential pressure bar			Fluid temp. °C		Seat disc	Reference numbers			OR	Power consumption (W)		Wt. (g)	El. Part Group *	Dim ref.
			Min	Max		Min	Max		Global valve reference	Valve reference no.	Housing	Coil	DC	AC			
NPT		Qn		DC	AC												

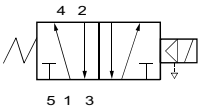
Pilot operated



316L Stainless Steel body/NAMUR interface

1/4 - 1/8	4	600	2	10	10	-25	80	NBR	7341NRKDJN92	**U341N3192** 1	**NL**	**483580.01**	0.4	-	-	7	7544
	4	600	2	10	10	-25	75	NBR	7341NRKDJN95	**U341N3195** 1	**-**	**492965.01**	0.8	-	-	10	7696
	4	600	2	10	10	-25	75	NBR			**-**	**492310**	6	6	-	10	

Pilot operated - Integrated pilot



316L Stainless Steel body/NAMUR interface

3/8 - 1/4	8	1400	2	10	10	-25	80	NBR	2341NRKNNNM1	**U341N0250**	**A2**	**488980**	2.5	2	-	1	7577

Table continued on page 312

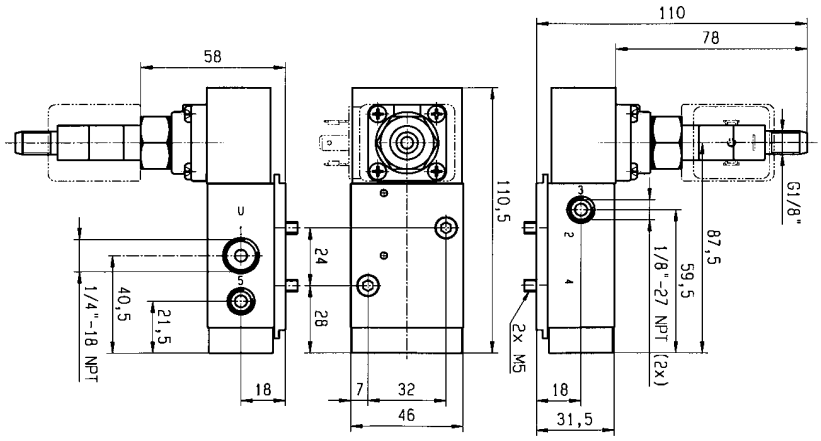
Notes:

* See Electrical Parts Group table at end of section

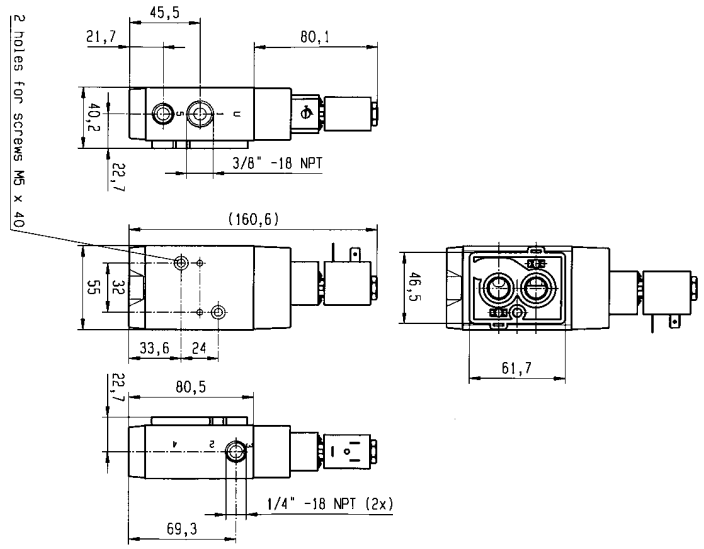
1. Valve with NPT ports

Parker Lucifer SA
Fluid Control Division Europe
CH-1227 Carouge-Genève

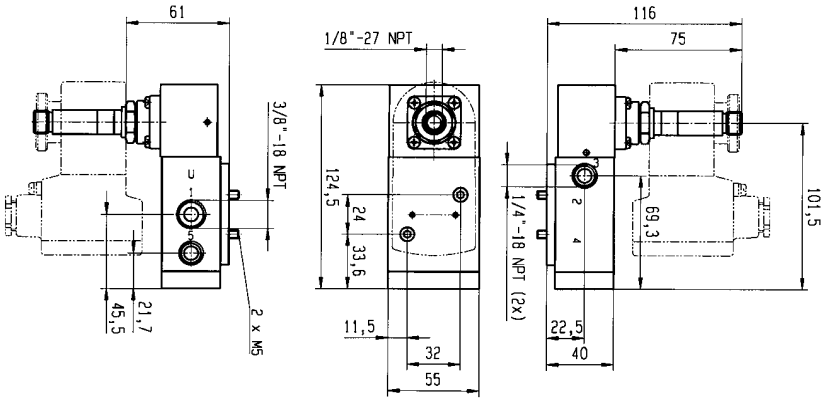
316L Stainless Steel valves for actuator control - 3/2 or 5/2 valves - NAMUR interface



Dimension reference 7544



Dimension reference 7577



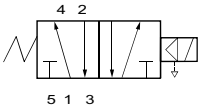
Dimension reference 7696

Parker Lucifer SA
Fluid Control Division Europe
CH-1227 Carouge-Genève

316L Stainless Steel valves for actuator control - 3/2 or 5/2 valves - NAMUR interface

Port size	Orifice (mm)	Flow factors (L/min	Admissible differential pressure bar			Fluid temp. °C		Seat disc	Reference numbers				Power consumption (W)		Wt. (g)	El. Part Group *	Dim ref.
			Min	Max						OR							
NPT		Qn		DC	AC	Min	Max		Global valve reference	Valve reference no.	Housing	Coil	DC	AC			

Pilot operated



316L Stainless Steel body/NAMUR interface

3/8 - 1/4	8	1400	2	10	10	-25	80	NBR	7341NRKNNN00	**U341N3250** [1]	**NL**	**481865**	9	8	-	2	7554
	8	1400	2	10	10	-25	80	NBR			**E0**	**481000**	8	8	-	2	
	8	1400	2	10	10	-25	55	NBR	7341NRKNNN92	**U341N3292** [1]	**NL**	**483580.01**	0.4	-	-	7	7556
	8	1400	2	10	10	-25	75	NBR	7341NRKNNN95	**U341N3295** [1]	**-**	**492965.01**	0.8	-	-	10	7695
	8	1400	2	10	10	-25	75	NBR			**-**	**492310**	6	6	-	10	

Table continued on page 314

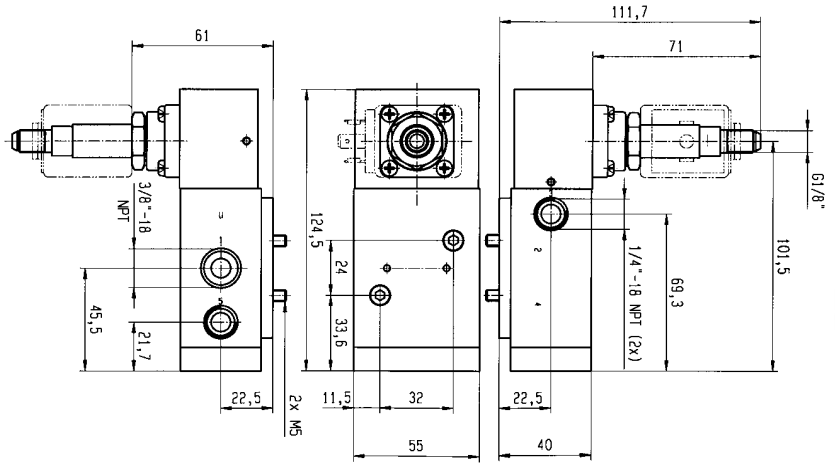
Notes:

* See Electrical Parts Group table at end of section

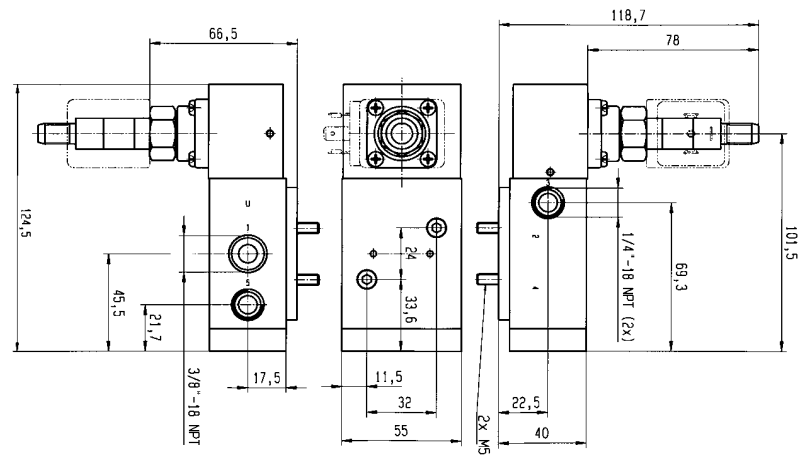
1. Valve with NPT ports

Parker Lucifer SA
Fluid Control Division Europe
CH-1227 Carouge-Genève

316L Stainless Steel valves for actuator control - 3/2 or 5/2 valves - NAMUR interface



Dimension reference 7554



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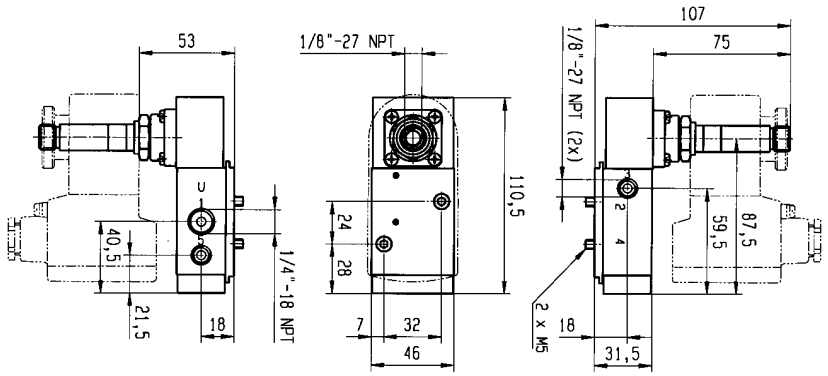

Dimension reference 7695

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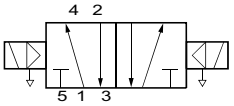
316L Stainless Steel valves for actuator control - 3/2 or 5/2 valves - NAMUR interface

Port size	Orifice (mm)	Flow factors (L/min	Admissible differential pressure bar			Fluid temp. °C		Seat disc	Reference numbers			OR	Power consumption (W)		Wt. (g)	El. Part Group *	Dim ref.
			Min	Max		Min	Max		Global valve reference	Valve reference no.	Housing	Coil	DC	AC			
NPT		Qn		DC	AC												

Two solenoids and main pressure supply



316L Stainless Steel body/NAMUR interface

1/4 - 1/8	4	400	2	10	10	-25	80	NBR	7347NRKDHNM0	**U347N3150** [1]	**NL**	**481865** [2]	9	8	-	2	7545
	4	400	2	10	10	-25	80	NBR			**E0**	**481000** [2]	8	8	-	2	
	4	400	2	10	10	-25	55	NBR	7347NRKDHN92	**U347N3192** [1]	**NL**	**483580.01** [2]	0.4	-	-	7	7546
3/8 - 1/4	8	1400	2	10	10	-25	80	NBR	7347NRKNNN00	**U347N3250** [1]	**NL**	**481865**	9	8	-	2	7557
	8	1400	2	10	10	-25	80	NBR			**E0**	**481000**	8	8	-	2	

Notes:

* See Electrical Parts Group table at end of section

1. Valve with NPT ports
2. Please order two housings and coils for each valve

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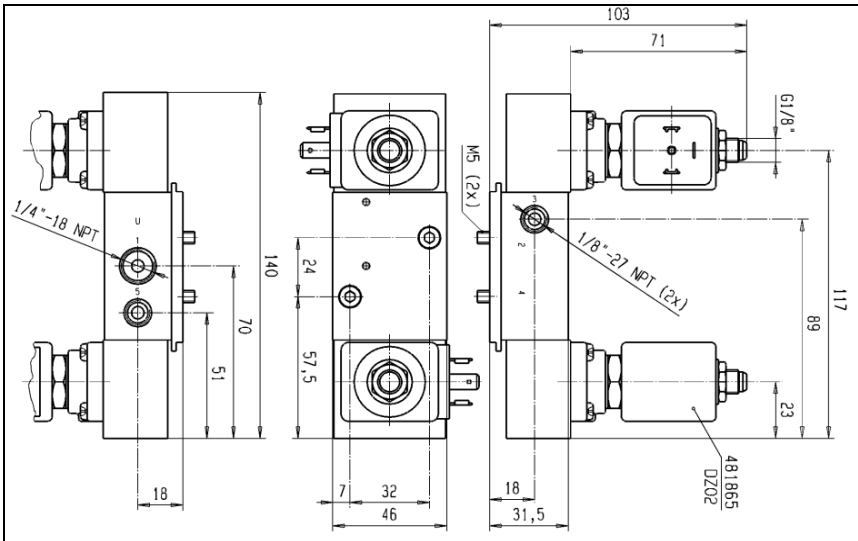
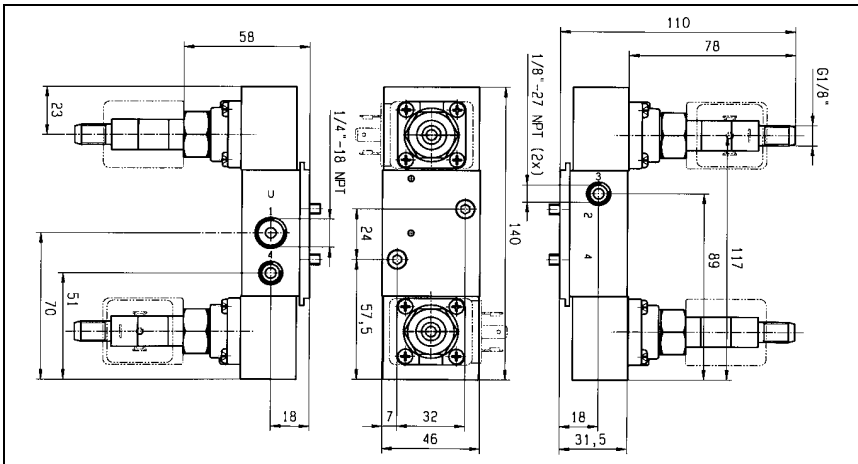
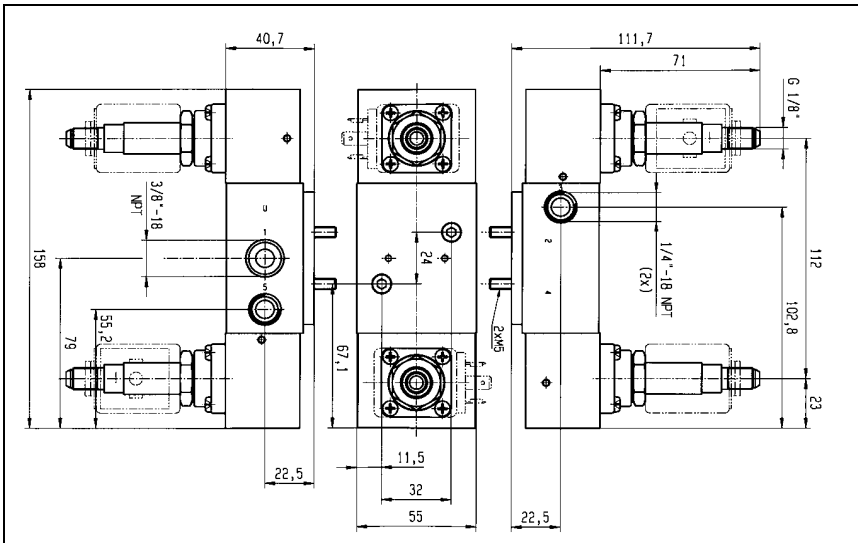
316L Stainless Steel valves for actuator control - 3/2 or 5/2 valves - NAMUR interface



Dimension reference 7545



Dimension reference 7546



Dimension reference 7557

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Electrical parts options with 3/2-5/2 - 316L Stainless steel valves for pneumatic actuator control

El.part Group	Coil	Protection class	Protection class / Temperature class	Power DC	Power AC	Coil Order No.	Coil Ref. No.	Connection	Housing Order No.	Housing Ref. No.	Ambient temp. min.	Ambient temp. max.
1	**22 mm**	IP65	**Class F**	2.5	2	DA01	**488980**	for DIN B plug	A2	**8993**	-40	50
		IP65	**Class F**	2.5	2	DA02	**481045**	with DIN B plug	A2	**8993**	-40	50
		IP65	**EEx m II T5**	2.5	2	VA12	**482606.10**	with 1500mm cable	00	**-**	-40	50
2	**32 mm**	IP65	**Class F**	9	8	DZ02	**481865**	for DIN A plug	NL	**8132**	-40	50
	(Std)	IP65	**Class F**	9	8	DZ03	**482725**	with DIN A plug	NL	**8132**	-40	50
		IP65	**Class H**	9	8	DZ04	**492453**	for DIN A plug	NL	**8132**	-40	50
		IP65	**Class H**	9	8	DZ05	**492726**	with DIN A plug	NL	**8132**	-40	50
		IP65	**Class F, 50/60 Hz**	-	9	DZ06	**483510**	for DIN A plug	NL	**8132**	-40	50
		IP65	**Class F, 50/60 Hz**	-	9	DZ07	**482635**	with DIN A plug	NL	**8132**	-40	50
		IP65	**EEx m II T4**	9	8	HZ90	**492670.10**	with 3000mm cable	00	**-**	-25	40
	50 mm	IP10/IP44	**Class F**	8	8	EZ01	**481000**	screw-terminals	E0	**4270**	-40	50
	(Std)	IP10/IP44	**Class H**	8	8	EZ02	**485100**	screw-terminals	E0	**4270**	-40	50
		IP67	**Class F, IP 67, M20x1.5**	8	8	EZ01	**481000**	screw-terminals	G1	**4538**	-40	50
		IP65	**EEx m II T4/T5**	9	8	VZ01	**492070**	with 1500mm cable	00	**-**	-40	40/65
		IP67	**EEx me II T4**	8	8	HZ06	**483371**	for cable connection	00	**-**	-40	65
		IP66	**EEx me II T3/T4**	11	9	VZ90	**492190.10**	for cable connection	00	**-**	-40	75/40
		IP67	**EEx me II T3/T4**	8	8	HZ23	**494040**	for cable connection	00	**-**	-40	90/65
		IP65	**EEx md IIC T4/T5**	8	8	HZ09	**493640**	with 1500mm cable	00	**-**	-40	75/40
5	**50 mm**	IP54	**EEx d IIC T4/T5/T6**	8	8	HZ08	**483250**	for cable, 1/2 NPT	00	**-**	-40	80/75/60
7	**32 mm**	IP65	**EEx ia II C T6**	0.4	-	DZ12	**483580.01**	for DIN A plug	NL	**8132**	-40	55
	I.S.	IP65	**EEx ia II C T6**	0.4	-	DZ13	**483960.01**	with DIN A plug	NL	**8132**	-40	55
	50 mm	IP66	**EEx ia II C T6**	0.4	-	VZ93	**494035.10**	for cable connection	00	**-**	-40	65
	I.S.	IP67	**EEx ia II C T6**	0.4	-	VZ08	**488660.01**	with 2000mm cable	00	**-**	-40	65
		IP65	**EEx ia II C T6**	0.4	-	VZ09	**488670.01**	with DIN A plug	00	**-**	-40	65
9	**32 mm**	IP65	**Class F**	9	9	DZ93	**492387**	with DIN A plug	N9	**8886**	-40	50
	50 mm	IP66	**EEx me II T5/T6**	1.5	-	VZ13	**492200**	for cable connection	00	**-**	-40	75/40
		IP67	**EEx me II T4**	8	-	VZ14	**483371.01**	for cable connection	00	**-**	-40	65
CPR		IP66	**EEx me II T4/T5**	6	6	VZ15	**492300**	for cable connection	00	**-**	-40	75/40
		IP67	**EEx m II T4/T5**	5	5	VZ02	**492270**	with 1500mm cable	00	**-**	-40	65/40
		IP65	**EEx ib IIB T6**	0.8	-	VZ11	**482660**	for cable connection	00	**-**	-40	75
		IP66	**EEx ib IIC T6**	0.8	-	VZ12	**483330.01**	for cable connection	00	**-**	-40	75
		IP66	**EEx ia IIC T6**	0.8	-	VZ92	**492965.02**	for cable connection	00	**-**	-40	65
10	**50 mm**	IP66	**EEx me II T5/T6**	1.5	-	VZ26	**492210**	for cable connection	00	**-**	-40	75/40
		IP66	**EEx me II T4/T5**	6	6	VZ27	**492310**	for cable connection	00	**-**	-40	75/40
OFFSHORE		IP65	**EEx ib IIB T6**	0.8	-	VZ11	**482660**	for cable connection	00	**-**	-40	75
		IP66	**EEx ib IIC T6**	0.8	-	VZ12	**483330.01**	for cable connection	00	**-**	-40	75
		IP66	**EEx ia IIC T6**	0.8	-	VZ91	**492965.01**	for cable connection	00	**-**	-40	65
11	**50 mm**	IP65	**EEx d II C T4/T5/T6**	8	8	HZ19	**483270**	for cable , M20x1.5	00	**-**	-40	80/75/60
	EEx d	IP65	**EEx d II C T4/T5/T6**	8	8	HZ21	**483270.02**	for cable , 1/2 NPT	00	**-**	-40	80/75/60
12	**50 mm**	IP66	**EEx me II T4/T5**	6	6	VZ27	**492310**	for cable connection	00	**-**	-40	75/40
		IP66	**EEx ia IIB T6**	0.8	-	VZ22	**482160.01**	for cable connection	00	**-**	-40	65
		IP66	**EEx ia IIC T6**	0.8	-	VZ23	**482870.01**	for cable connection	00	**-**	-40	65

Note: This table is indicative only. Please contact your distributor to confirm your selection.

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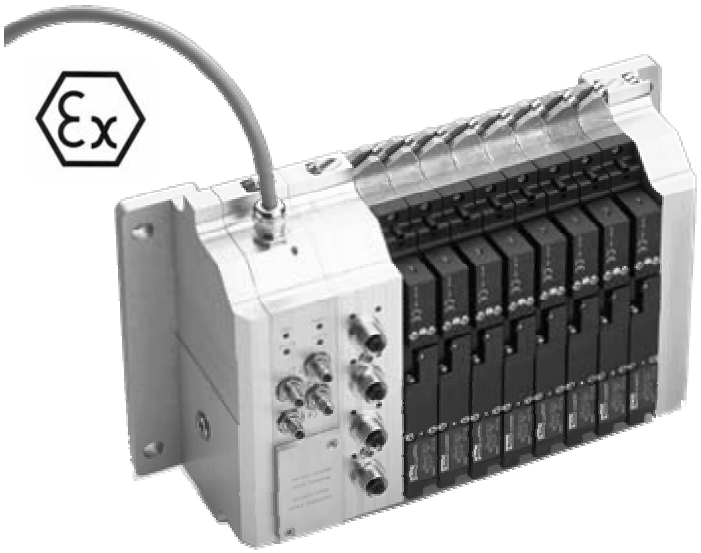
EExPress™

EEx p [ia] m IIC T5 Bus Manifold for Pneumatic actuator control



Parker Lucifer has developed industry's first fully integrated fieldbus manifold system – the patented EExPress™ Bus Manifold – for the control of pneumatic actuators in hazardous (Zone 1 and Zone 2) process industry environments like chemical, petrochemical applications. The EExPress™ Bus Manifold is a stackable valve system that fully integrates 5/2 solenoid valves, control electronics and input sensors, a unique feature on the market today, and uses the Profibus DP fieldbus communications protocol – the preferred protocol of the process industries. One bus address can operate up to 32 individual 5/2 modular solenoid valves, or a combination of valves and actuator position sensors.
The concept consists in an "integrated solution" which permits to install the manifold close to the pneumatic actuators - without the need for expensive explosion-proof pressurised cabinets. The **EEx p [ia] m IIC T5** protection is reached by using a "safety pressure" - the complete block is put under 50 mb safety pressure. This permits a substantial reduction of installation and maintenance costs, a simplification of the electrical connections, the use of Profibus DP and offers increased safety due to separated wiring of communication and power supply.

For more information see brochure 8752/GB

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1. PRODUCT INTRODUCTION

The EExPress™ bus Manifold is a patented stackable system composed of:

- 1 x End plates Kit
- X x Solenoid valve module
- X x Input sensor module
- 1 x Gateway

The EExPress™ Explosion-proof manifold 5/2 valve island design uses the **EEx [ia] pm protection.**

Up to 32 valves per island require one bus address only.

The system includes a bus part satisfying the intrinsic safety requirements and communicating directly with a master control unit by using the Profibus DP protocol.

The manifold assembly and the dedicated power supply are coping with the "p" protection. The galvanic separation between the EEx ia zone and the EEx p is assured by opto-coupler and by a transformer.

The valve coils are coping with the ìmî protection.

2. APPLICATIONS

This smart EExPress™ bus manifold package has been designed for the control of pneumatic actuators in Process Industries with **hazardous environments Zone 1 or Zone 2** such as:

- Ghemical & Pharmaceutical.
- Gas and solvant handling
- Powder transportation.
- Refining.
- Etc.

These high demanding markets are concerned with:

- Process & people safety
- Plant installation simplification
- Process productivity
- Friendly use product
- Partners support

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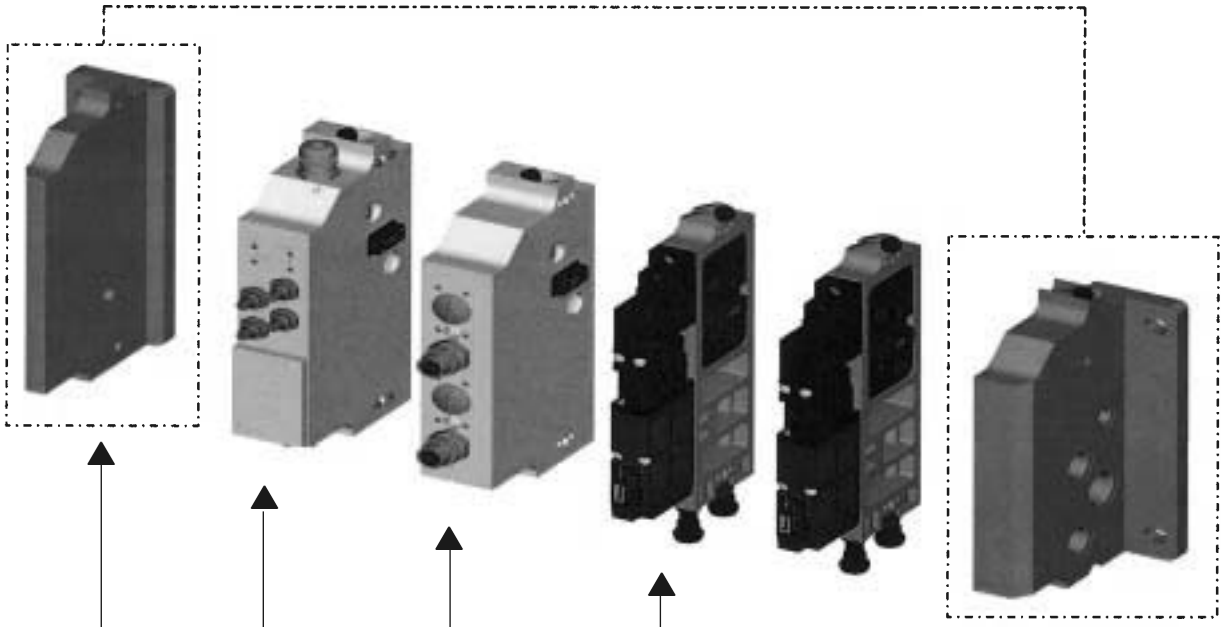
3. PRODUCT CONFIGURATION



Valve module

Sensor module

Gateway

End Plate Kit

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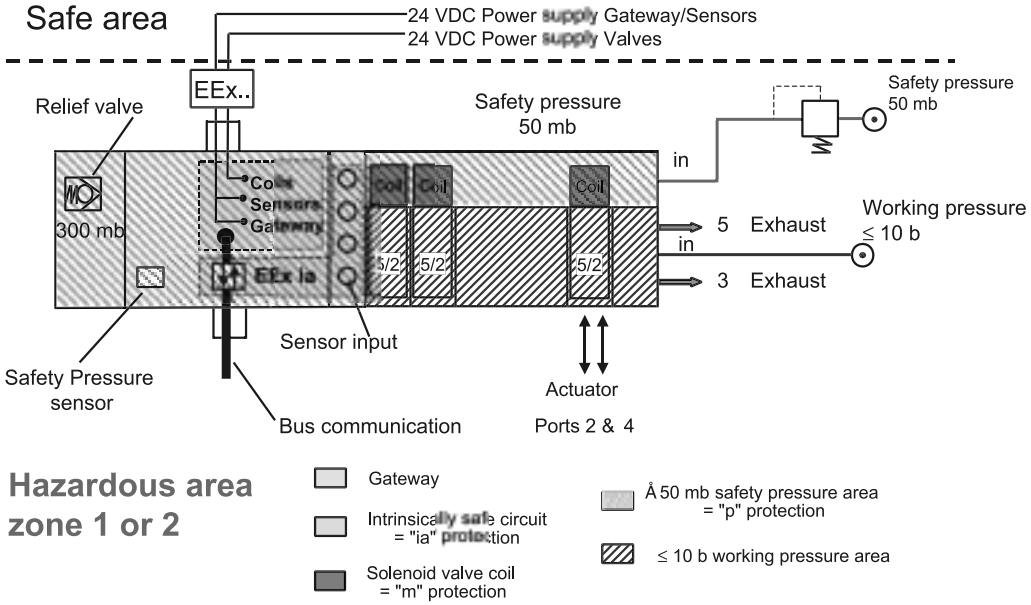
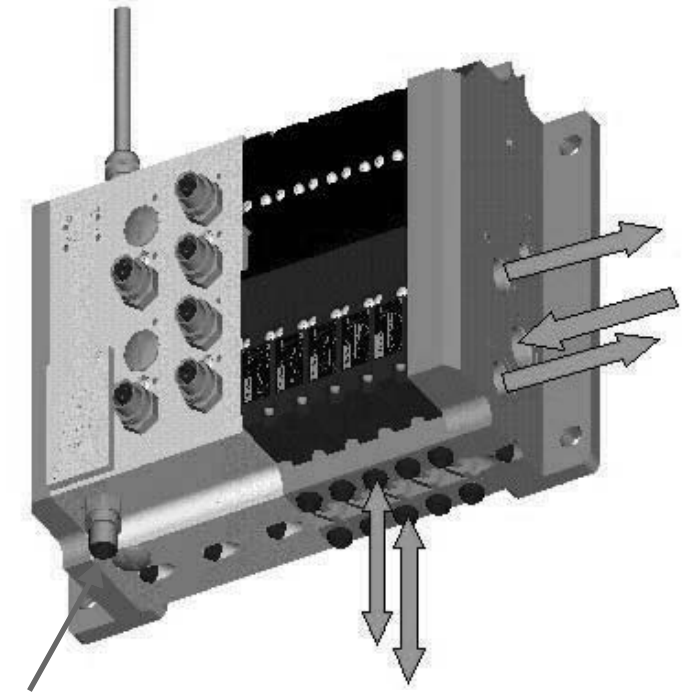
5. PRODUCT OPERATING PRINCIPLE



Power supply



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HOW TO ORDER ASSEMBLED MANIFOLDS

21.2 Choose the components for 1 manifold in the following order:

1 - Plate kit **N.B. One** plate kit only per manifold			
End plate A	*Pressure supply plate B*	*Order No.*	*Qty*
BSP	BSP	495190	1
2 - Gateway selection **N.B. One** gateway only per manifold			
Protocol	*Communication link*	*Order No.*	*Qty*
Profibus DP	Copper (1 connector)	495176	1
Profibus DP	Copper (1 connectors + 1 repeater)	495275	1
Profibus DP	Optical fibre	493972	1

3 - Sensor modules **N.B.** 0 up to 8 sensor modules per manifold				
Nb of connectors	*Connection*	*ON/OFF*	*Order No.*	*Qty**
2x IN connectors	M 12	x	495141	0 to 8
4x IN connectors	M 12	x	495142	0 to 8

4 - Valve modules **N.B.** 0 up to 32 valve modules per manifold	*Order No.*	*Qty*
Module with 5/2 valves	494237	0 to 32

*** Warning:** For one bus address, the combination sensor module + valve module has to fit the following formula: *4× (Number of sensor modules with 2× IN connectors + Number of sensor modules with 4× IN connectors) + Number of valve modules < 32.*

21.3 Example of manifold configuration and order:

Description	**Order No. chosen**	**Qty per Manifold chosen**
Plate Kit	495190	1
Gateway	495176	1
Sensor module – 2 IN connectors	495141	4
Sensor module – 4 IN connectors	–	–
Valve module	494237	8

Order: 5 manifold with above mentioned components.
The selected components will be supplied as an assembled manifold.
A – The label on the manifold shows:
1. The LCIE conformity for the EEx ia pm protection.
2. The LCIE approval code: EM followed by a manufacturing code. I.e. **EM 12345**

B – Each manufacturing code defines a specific manifold configuration
C – The **EM XXXXX** is also mentioned on the shipping bulletin and on the invoice
D – To simplify, customers can re-order the same manifold by using the **EM XXXXX** code mentioned on these documents.

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Index by reference numbers

Valve reference number - global reference number

Valve reference	Global valve ref.	Page
U 033X5156	7033XRN2SN00	274/294
U 033X51561D	7033XRN2SN1D	274/292
U 033X5256	7033XRN3SN00	276/294
U 033X52561D	7033XRN3SN1D	274/294
E 121F43	7121FBF4NF00	14/88
E 121F4302	7121FBF4NV00	14/50
E 121F44	7121FBF4GF00	14/88
E 121F4406	7121FBF4GV00	14/50
121F47	7121FBF4LF00	14
121F4706	7121FBF4LV00	14/50
121F63	7121FBF4LR00	14/88
121F64	7121FBF4NR00	14/88
121F67	7121FBF4GR00	14/88
121G2320	7121GBG34VT0	104
121G2520	7121GBG45VT0	104
121G2523	7121GBG45VT1	104
121K01	7121KBG2SV00	12/48
121K0103	7121KBG2SE00	72
121K0150	7121KBG2SVMO	10/48
121K02	7121KBG2QV00	10/48
121K0250	7121KBG2QVM0	10/48
E 121K03	7121KBG2NF00	10/86
E 121K0302	7121KBG2NV00	10/46
121K0323	7121KBG2NE00	72
E 121K0352	7121KBG2NVM0	10/46
E 121K04	7121KBG2GF00	10/86
E 121K0402	7121KBG2GV00	8/46
E 121K07	7121KBG2LF00	10
121K0706	7121KBG2LV00	10/46
121K0756	7121KBG2LVM0	10/46
121K1302	7121KBG1NV00	8
121K1352	7121KBG1NVM0	8/46
E 121K14	7121KBG1GF00	8/86
E 121K23	7121KBG1LR00	8/86/102
121K2423	7121KBG1NRT0	104
121K3106	7121KBG3SV00	12/48/104
121K3206	7121KBG3QV00	12/48/104
121K3303	7121KBG3UE00	72
121K3306	7121KBG3UV00	12/48/104
E 121K45	7121KBG44V00	12/48
E 121K4503	7121KBG44E00	72
E 121K46	7121KBG42V00	12/48
E 121K4603	7121KBG42E00	72
121K6220	7121KBG2QRT0	106
E 121K63	7121KBG2LR00	10/86/104
E 121K64	7121KBG2NR00	10/86/104
121K6423	-	104/104
E 121K65	7121KBG2ER00	8/86/104
E 121K67	7121KBG2GR00	10/86/104
121M13	-	8/46
121M14	-	8/46
121V5106	7121VVG2SV00	118
121V51061D	7121VVG2SV1D	118
121V5112	7121VVG2ST00	118
121V5163	7121VVG2SR00	74/118
121V5206	7121VVG2QV00	116
121V5212	7121VVG2QT00	116
121V5263	7121VVG2QR00	74/116
121V5306	7121VVG2NV00	116
121V53061D	7121VVG2NV1D	116
121V5363	7121VVG2NR00	74/116
121V5406	7121VVG2GV00	116
121V5463	7121VVG2GR00	74/116
121V5706	7121VVG2LV00	116
121V5763	7121VVG2LR00	74/116
122K83	7122KBG2LF00	12
122K8306	7122KBG2LV00	12/48
122K8321	7122KBG2LRT0	106
122K8363	7122KBG2LR00	12/88/106
122K84	7122KBG2GF00	12/88
122K8406	7122KBG2GV00	12/48
122K8408	7122KBG2GR00	12/88
122K9321	7122KBG1LRT0	106
122K9363	7122KBG1LR00	12/88/106
125K01	7125KBG2SV00	14/50
125K03	7125KBG2NF00	12
E 131E03	7131EBG2LN00	130/228
E 131F26	7131FDF2JV00	148
E 131F43	7131FBF4LV00	144
E 131F4350	7131FBF4LVM0	144
E 131F44	7131FBF4GV00	144
E 131F4450	7131FBF4GVM0	144
131F4480	7131FBF4GLV5	140
131F4490	-	136
131F46	7131FBF4JV00	144
131F4650	7131FBF4JVM0	144
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U 131F56951D	7131FRF2LV1D	278
E 131K03	7131KBG2LV00	128
E 131K03001D	7131KBG2LV1D	228
E 131K0308	7131KBG2LP00	130/228
E 131K03081D	7131KBG2LP1D	130/228
E 131K0350	7131KBG2LVM0	128/228
E 131K0358	7131KBG2LPM0	130/228
E 131K04	7131KBG2GV00	126/226
E 131K0450	7131KBG2GVM0	126/226
131K0480	7131KBG2GVL5	126/226
131K0490	7131KBG2CV90	126/226
131K05	7131KBG2BF00	176
E 131K06	7131KBG2JV00	126/226
E 131K06081D	7131KBG2JP1D	128/228
E 131K0650	7131KBG2JVM0	126/226
E 131K13	7131KBG1LV00	124
E 131K14	7131KBG1GV00	124
131K16	7131KBG1JV00	124
131K1650	7131KBG1JVM0	124
E 131K63	7131KBG2LR00	130
E 131K6350	7131KBG2LRM0	130
E 131K64	7131KBG2ER00	126
E 131K6450	7131KBG2ERM0	126
131K65	7131KBG2BR00	176
131M14	-	124/226
131M15	-	124/226
131M74	-	142
131M7450	-	142
131M75	-	138
131M7550	-	138
131T21	7131TBG2RV00	132
131T2101	7131TBG2RVM0	132
131T22	7131TBG2NVA0	132
131T23	7131TBG2JV00	126
131T2301	7131TBG2JVM0	126
131T29	7131TBG2LV00	128
131T2901	7131TBG2LVM0	128
131V5306	7131VVG2LV00	182
131V5363	7131VVG2LR00	182
131V5406	7131VVG2GV00	182
131V5463	7131VVG2GR00	182
131V5490	-	182
131V65	7131WVG2BR00	176
131X1101	7131XAKLVN00	230
U 131X1201	7131XRKMVN00	276/292
132F43	7132FBF4LV00	144
132F44	7132FBF4GV00	144
132F46	7132FBF4JV00	144
132K03	7132KBG2LV00	132
132K04	7132KBG2GV00	132
132K06	7132KBG2JV00	132
132T22	7132TBG2NVA0	134
132T23	7132TBG2JV00	132
132T2301	7132TBG2JVM0	132
132T29	7132TBG2LV00	132
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E 133K0350	7133KBG2LVM0	134
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221G1530	7221GBG4VNH0	16/52/64
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221G1610	7221GBG51NC0	64
221G1630	7221GBG51NH0	18/52
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221G17	7221GBG61N00	18/52
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221G1730	7221GBG61NH0	18/52
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221G2110	7221GBG64NC0	64
221G2130	7221GBG64NH0	18/52
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221G2136	7221GBG64VHO	18
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221G2530	7221GBG4VVH0	16
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321G8512	73218BG4UTS0	80
321G8612	73218BG5VTS0	80
321G8712	73218BG64TS0	82
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321K3606	-	24
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321K4106	7321KBG2SVW0	66
321K4156	7321KBG2SVMW	66
321K4303	7321KBG3TEW0	80
321K4306	7321KBG3TVW0	66
321K4356	7321KBG3TVMW	66
321K4503	7321KBG4TEW0	80
321K4506	7321KBG4TVW0	66
321K4556	7321KBG4TVMW	66
321K4603	7321KBG51EW0	80
321K4606	7321KBG51VW0	66
321K4656	7321KBG51VMW	66
321K4703	7321KBG62EW0	80
321K4706	7321KBG62VW0	66
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322G3610	7322GBG53NC0	68
322G37	7322GBG64N00	32/60
322G3706	7322GBG64V00	32
322G3710	7322GBG64NC0	68
322G38	7322GBG76N00	32/60
322G3806	7322GBG76V00	32
322G3810	7322GBG76NC0	68
322G39	7322GBG88N00	32/60
322G3906	7322GBG88V00	32
322G3910	7322GBG88NC0	68
322G40	7322GBG99N00	32/60
322G4006	7322GBG99V00	32
322G4010	7322GBG99NC0	68
322G7506	7322GBG4UV00	110
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322G8512	73228BG4UTS0	82
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322H73	7322HBG3TN00	32/92
322H7306	7322HBG3TV00	32/92/108
322H75	7322HBG4UN00	32/92
322H7506	7322HBG4UV00	32/92/110
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322K4306	7322KBG3TVW0	32
322K4506	7322KBG4TVW0	32
322K4606	7322KBG51VW0	32
322K4706	7322KBG62VW0	32
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2347PAG2PNM0	347P02	246
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3121BBN1EV00	-	38
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3129BSN1AV00	-	42
3129BSN1EV00	-	42
3129BSN1GV00	-	42
3129BSN1JV00	-	42
3129BSN1LV00	-	42
3131BBN1AV00	-	162
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3131BBN1GV00	-	162
3131BBN1JV00	-	162
3131BBN1LV00	-	162
3131BBN1NV00	-	162
3131BBN1QV00	-	162
3131BJA7EVC#	-	170
3131BJA7GVC#	-	170
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3131BSN1GV00	-	166
3131BSN1JV00	-	166
3131BSN1LV00	-	166
3131BSN1NV00	-	166
3131BSN1QV00	-	166
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3133BBN1GV00	-	164
3133BBN1JV00	-	164
3133BBN1LV00	-	164
3133BBN1NV00	-	164
3133BBN1QV00	-	164
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3933BJA7EVC#	-	170
3933BJA7GVC#	-	172
3933BSN1AV00	-	168
3933BSN1EV00	-	168
3933BSN1GV00	-	168
3933BSN1JV00	-	168
7033XRN2SN00	U 033X5156	274/294
7033XRN2SN1D	U 033X51561D	274/292
7033XRN3SN00	U 033X5256	276/294
7033XRN3SN1D	U 033X52561D	274/294
71214TN2KT00	-	114
71214TN2MT00	-	114
71214TN2QT00	-	114
71214TN2ST00	-	114
71214VN2KN00	-	114
71214VN2KT00	-	114
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71214VN2MT00	-	114
71214VN2QN00	-	114
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7121FBF4GF00	E 121F44	14/88
7121FBF4GR00	121F67	14/88
7121FBF4GV00	E 121F4406	14/50
7121FBF4LF00	121F47	14
7121FBF4LR00	121F63	14/88
7121FBF4LV00	121F4706	14/50
7121FBF4NF00	E 121F43	14/88
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7121GBG45VT1	121G2523	104
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7121KBG1LR00	E 121K23	8/86/102
7121KBG1NRT0	121K2423	104
7121KBG1NV00	121K1302	8
7121KBG1NVM0	121K1352	8/46
7121KBG2ER00	E 121K65	8/86/104
7121KBG2GF00	E 121K04	10/86
7121KBG2GR00	E 121K67	10/86/104
7121KBG2GV00	E 121K0402	8/46
7121KBG2LF00	E 121K07	10
7121KBG2LR00	E 121K63	10/86/104
7121KBG2LV00	121K0706	10/46
7121KBG2LVM0	121K0756	10/46
7121KBG2NE00	121K0323	72
7121KBG2NF00	E 121K03	10/86
7121KBG2NR00	E 121K64	10/86/104
7121KBG2NRT0	121K6423	104
7121KBG2NV00	E 121K0302	10/46
7121KBG2NVM0	E 121K0352	10/46
7121KBG2QRT0	121K6220	106
7121KBG2QV00	121K02	10/48
7121KBG2QVM0	121K0250	10/48
7121KBG2SE00	121K0103	72
7121KBG2SV00	121K01	12/48
7121KBG2SVMO	121K0150	10/48
7121KBG3QV00	121K3206	12/48/104
7121KBG3SV00	121K3106	12/48/104
7121KBG3UE00	121K3303	72
7121KBG3UV00	121K3306	12/48/104
7121KBG42E00	E 121K4603	72
7121KBG42V00	E 121K46	12/48
7121KBG44E00	E 121K4503	72
7121KBG44V00	E 121K45	12/48
7121VVG2GR00	121V5463	74/116
7121VVG2GV00	121V5406	116
7121VVG2LR00	121V5763	74/116
7121VVG2LV00	121V5706	116
7121VVG2NR00	121V5363	74/116
7121VVG2NV00	121V5306	116
7121VVG2NV1D	121V53061D	116
7121VVG2QR00	121V5263	74/116
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7121VVG2QV00	121V5206	116
7121VVG2SR00	121V5163	74/118
7121VVG2ST00	121V5112	118
7121VVG2SV00	121V5106	118
7121VVG2SV1D	121V51061D	118
7121ZBG1GV00	-	8/46
7121ZBG1LR00	-	102
7121ZBG1LRT0	-	102
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7121ZCBG1LR00	-	102
7122KBG1LR00	122K9363	12/88/106
7122KBG1LRT0	122K9321	106
7122KBG2GF00	122K84	12/88
7122KBG2GR00	122K8408	12/88
7122KBG2GV00	122K8406	12/48
7122KBG2LF00	122K83	12
7122KBG2LR00	122K8363	12/88/106
7122KBG2LRT0	122K8321	106
7122KBG2LV00	122K8306	12/48
7125KBG2NF00	125K03	12
7125KBG2SV00	125K01	14/50
7131EBG2LN00	E 131E03	130/228
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7131FBF4GV00	E 131F44	144
7131FBF4GVM0	E 131F4450	144
7131FBF4JV00	131F46	144
7131FBF4JVM0	131F4650	144
7131FBF4LV00	E 131F43	144
7131FBF4LVM0	E 131F4350	144
7131FDF2JV00	E 131F26	148
7131FRF2LV1D	U 131F56951D	278
7131FRF2LV95	U 131F5695	276/292
7131KBG1GV00	E 131K14	124
7131KBG1JV00	131K16	124
7131KBG1JVM0	131K1650	124
7131KBG1LV00	E 131K13	124
7131KBG2BF00	131K05	176
7131KBG2BR00	131K65	176
7131KBG2CV90	131K0490	126/226
7131KBG2ER00	E 131K64	126
7131KBG2ERM0	E 131K6450	126
7131KBG2GV00	E 131K04	126/226
7131KBG2GVL5	131K0480	126/226
7131KBG2GVM0	E 131K0450	126/226
7131KBG2JP1D	E 131K06081D	128/228
7131KBG2JV00	E 131K06	126/226
7131KBG2JVM0	E 131K0650	126/226
7131KBG2LP00	E 131K0308	130/228
7131KBG2LP1D	E 131K03081D	130/228
7131KBG2LPM0	E 131K0358	130/228
7131KBG2LR00	E 131K63	130
7131KBG2LRM0	E 131K6350	130
7131KBG2LV00	E 131K03	128
7131KBG2LV1D	E 131K03001D	228
7131KBG2LVM0	E 131K0350	128/228
7131TBG2JV00	131T23	126
7131TBG2JVM0	131T2301	126
7131TBG2LV00	131T29	128
7131TBG2LVM0	131T2901	128
7131TBG2NVA0	131T22	132
7131TBG2RV00	131T21	132
7131TBG2RVM0	131T2101	132
7131VVG2GR00	131V5463	182
7131VVG2GV00	131V5406	182
7131VVG2LR00	131V5363	182
7131VVG2LV00	131V5306	182
7131WVG2BR00	131V65	176
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7131XRKMVN00	U 131X1201	276/292
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7132KBG2JV00	132K06	132
7132KBG2LV00	132K03	132
7132TBG2JV00	132T23	132
7132TBG2JVM0	132T2301	132
7132TBG2LV00	132T29	132
7132TBG2NVA0	132T22	134
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7133FBF4GVM0	E 133F4450	144
7133FBF4JV00	133F46	144
7133FBF4JVM0	133F4650	144
7133FBF4LV00	E 133F43	146
7133FBF4LVM0	E 133F4350	144
7133KBG1GV00	E 133K14	134
7133KBG1JV00	E 133K16	134
7133KBG1LV00	E 133K13	134
7133KBG2BV00	E 133K05	176
7133KBG2GV00	E 133K04	134
7133KBG2GV1D	E 133K04001D	134
7133KBG2GVM0	E 133K0450	134
7133KBG2JV00	E 133K06	134
7133KBG2JVM0	E 133K0650	134
7133KBG2LV00	E 133K03	134
7133KBG2LVM0	E 133K0350	134
7133TBG2JV00	133T23	134
7133TBG2JVM0	133T2301	134
7133TBG2NV00	133T21	134
7133TBG2NVM0	133T2101	134
7133VRN2LV95	U 133V5695	278/288
7133VRN2LV9D	U 133V56951D	278/288
7133VVG2GR00	133V5463	182
7133VVG2GV00	133V5406	182
7133VVG2LR00	133V5363	182
7133VVG2LV00	133V5306	182
7133XRN2SV00	U 133X5156	280/290
7133XRN2SV1D	U 133X51561D	280/288
7133XRN2VN96	U 133X5196	280
7133XRN2VN9H	U 133X51961D	280
7133XRN3SN96	U 133X5296	282/290
7133XRN3SN9H	U 133X52961D	282/290
7135KBG2GV00	135K04	136/228
7135KBG2LV00	135K03	136/228
72218RG3TE00	221G5303	78
72218RG3TV00	221G5306	20/54
72218RG4UE00	221G5503	78
72218RG4UV00	221G5506	20/54
72218RG5VE00	221G5603	78
72218RG5VV00	221G5606	20/54
7221GBG3VE00	221G1303	76
7221GBG3VN00	221G13	16/52/64
7221GBG3VNH0	221G1330	16/52/64
7221GBG3VV00	221G23	16
7221GBG3VVH0	221G2330	16
7221GBG4VE00	221G1503	76
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7221GBG51NC0	221G1610	64
7221GBG51NCH	221G1631	64
7221GBG51NH0	221G1630	18/52
7221GBG51V00	221G26	18
7221GBG51V1D	221G26001D	16
7221GBG51VH0	221G2630	18
7221GBG61E00	221G1703	76
7221GBG61N00	221G17	18/52
7221GBG61NC0	221G1710	64
7221GBG61NCH	221G1731	64
7221GBG61NH0	221G1730	18/52
7221GBG61V00	221G27	18
7221GBG61V1D	221G27001D	18
7221GBG61VH0	221G2730	18
7221GBG64E00	221G2103	76
7221GBG64N00	221G21	18/54
7221GBG64NC0	221G2110	64
7221GBG64NCH	221G2131	64
7221GBG64NH0	221G2130	18/52
7221GBG64V00	221G2106	18
7221GBG64VHO	221G2136	18
72228BG3TES0	222G3303	78
72228BG3TV00	222G3306	20/54
72228BG4UES0	222G3503	78
72228BG4UV00	222G3506	20/54
72228BG5VES0	222G3603	78
72228BG5VV00	222G3606	20/54
72228RG3TE00	222G5303	78
72228RG3TV00	222G5306	20/54
72228RG4UE00	222G5503	78
72228RG4UV00	222G5506	20/54
72228RG5VE00	222G5603	78
73218BG3TTS0	321G8312	80
73218BG4UTS0	321G8512	80
73218BG5VTS0	321G8612	80
73218BG64TS0	321G8712	82
73218BG75TS0	321G8812	82
73218BG87TS0	321G8912	82
7321BBG3TE00	-	80
7321BBG3TN00	-	56
7321BBG3TNM0	-	56
7321BBG4TE00	-	80
7321BBG4TN00	-	56
7321BBG4TNM0	-	56
7321BBG53E00	-	80
7321BBG53N00	-	56
7321BBG53NM0	-	56
7321BBG64E00	-	80
7321BBG64N00	-	56
7321BBG64NM0	-	58
7321BBG78E00	-	82
7321BBG78N00	-	58
7321BBG78NM0	-	58
7321BBG88E00	-	82

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7321BBG99N00	-	58
7321BBG99NM0	-	58
7321BBGCBNM1	-	58
7321BBGDCNM1	-	58
7321FBF3TN00	E 321F32	34/60/92
7321FBF3TV00	E 321F3202	34/92/110
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7321GBG53NMC	E 321G3610	66
7321GBG53V00	E 321G3606	24
7321GBG64N00	E 321G37	26/58
7321GBG64N1D	E 321G37101D	26
7321GBG64NMC	E 321G3710	66
7321GBG64V00	E 321G3706	24
7321GBG76N00	E 321G38	26/58
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7321GBG76V00	E 321G3806	26
7321GBG88N00	E 321G39	28/58
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7321GBG88NMC	E 321G3910	68
7321GBG88V00	E 321G3906	26
7321GBG99N00	E 321G40	30/58
7321GBG99N3D	E 321G40101D	30
7321GBG99NMC	E 321G4010	68
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7321HBG2SN00	E 321H11	22/90
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7321HBG3TN00	E 321H13	22/90
7321HBG3TV00	E 321H23	22/90/108
7321HBG3TVT0	321H2322	108
7321HBG4UN00	E 321H15	24/90
7321HBG4UV00	E 321H25	22/90/108
7321HBG4UVT0	321H2522	108
7321KBG2SEW0	321K4103	80
7321KBG2SVMW	321K4156	66
7321KBG2SVW0	321K4106	66
7321KBG3TEW0	321K4303	80
7321KBG3TVMW	321K4356	66
7321KBG3TVW0	321K4306	66
7321KBG4TEW0	321K4503	80
7321KBG4TVMW	321K4556	66
7321KBG4TVW0	321K4506	66
7321KBG51EW0	321K4603	80
7321KBG51VMW	321K4656	66
7321KBG51VW0	321K4606	66
7321KBG62EW0	321K4703	80
7321KBG62VMW	321K4756	66
7321KBG62VW0	321K4706	66
73228BG3TTS0	322G8312	82
73228BG4UTS0	322G8512	82
73228BG52TS0	322G8612	82
73228BG64TS0	322G8712	82
73228BG75TS0	322G8812	82
73228BG87TS0	322G8912	82
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7322BBG4TN00	-	58

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7322BBG64N00	-	60
7322BBG78N00	-	60
7322BBG88N00	-	60
7322BBG99N00	-	60
7322FBF3TN00	322F72	34/60/92
7322FBF3TV00	322F7206	34/92/110
7322GBG4UV00	322G7506	110
7322GBG53N00	322G36	32/58
7322GBG53NC0	322G3610	68
7322GBG53V00	322G3606	32
7322GBG64N00	322G37	32/60
7322GBG64NC0	322G3710	68
7322GBG64V00	322G3706	32
7322GBG76N00	322G38	32/60
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7322GBG76V00	322G3806	32
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7322GBG88V00	322G3906	32
7322GBG99N00	322G40	32/60
7322GBG99NC0	322G4010	68
7322GBG99V00	322G4006	32
7322HBG2SN00	322H71	30/92
7322HBG2SV00	322H7106	30/90/108
7322HBG3TN00	322H73	32/92
7322HBG3TV00	322H7306	32/92/108
7322HBG4UN00	322H75	32/92
7322HBG4UV00	322H7506	32/92/110
7322KBG2SVW0	322K4106	32
7322KBG3TVW0	322K4306	32
7322KBG4TVW0	322K4506	32
7322KBG51VW0	322K4606	32
7322KBG62VW0	322K4706	32
7325KBG2SVW0	325K4106	34
7325KBG3TVW0	325K4306	34
7325KBG4TVW0	325K4506	34
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7331BAG2KNMO	E 331B74	150
7331BAG2QN00	E 331B01	152
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7341BAG2KN00	341B02	198
7341BAG2PN00	E 341B01	198
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7341LAKBGNM0	341L9534	270
7341LAPBGPL2	341L9588	270
7341LAV4TN90	341L2190	216
7341LAV4TNM0	E 341L21	218
7341LDC1LNL8	341L0180	218
7341LDC1LNM8	E 341L01	218
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7341LMG2NNM0	E 341L1130	204/254
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7341NAKBJNL2	341N3180	260
7341NAKBJNM0	341N31	260
7341NAKBJNM1	341N21	258
7341NAKBJP1D	341N31081D	260
7341NAKBJPM0	341N3108	260
7341NAKBPN1D	341N32001D	266
7341NAKBPN90	341N3290	266
7341NAKBPNL2	341N3280	266
7341NAKBPNM0	341N32	266
7341NAKBPNM1	341N22	264
7341NRKDJN00	U 341N3150	308
7341NRKDJN1D	U 341N31501D	308
7341NRKDJN92	U 341N3192	310
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7341NRKNNN00	U 341N3250	312
7341NRKNNN92	U 341N3292	312
7341NRKNNN95	U 341N3295	312
7341PAG1JN1D	341P21001D	240
7341PAG1JN90	341P2190	238
7341PAG1JNL2	341P2180	238
7341PAG1JNM0	341P21	238
7341PAG1JPM0	341P2108	238
7341PAG2PN1D	341P22001D	246
7341PAG2PN90	341P2290	244
7341PAG2PNL2	341P2280	244
7341PAG2PNM0	341P22	244
7341PRN2JN00	U 341P3150	296
7341PRN2JN92	U 341P3192	296
7341PRN2JN95	U 341P3195	298
7341PRN2JN9D	U 341P31951D	298
7341PRN3NN00	U 341P3250	300
7341PRN3NN92	U 341P3292	300
7341PRN3NN95	U 341P3295	300
7341PRN3NN9D	U 341P32951D	302
7345BAG2JNMR	345B34	192
7345BAG2PN00	345B04	200
7345BAG4TN00	345B24	212
7345FAS3JNMR	345F34	194
7345LAV4TNM0	345L21	218
7345LDC1LNM8	345L01	220
7345PAG1JNM0	345P21	242
7347LMG2NNM0	E 347L1130	208
7347NAKBHNM0	347N31	262
7347NAKBPNM0	347N32	268
7347NRKDHN92	U 347N3192	314
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7347NRKNNN00	U 347N3250	314
7347PAG1HN90	347P2190	240
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7347PAG2PNM0	347P22	244
7347PRN2JN00	U 347P3150	304
7347PRN2JN95	U 347P3195	304
7347PRN3NN00	U 347P3250	304
7347PRN3NN95	U 347P3295	306
7441NAKBJPM0	441N3108	266
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7441PRN3NN00	U 441P3250	302
7541LDC1LNR0	541L01	220
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7541PAG1JP00	541P0108	244
7541PRN3NNM1	U 541P0250	302
7547LMG2NN00	547L11	210
-	121K6423	104
-	121M13	8/46
-	121M14	8/46
-	131F4490	136
-	131M14	124/226
-	131M15	124/226
-	131M74	142
-	131M7450	142
-	131M75	138
-	131M7550	138
-	131V5490	182
-	133X01	230
-	221J3301E	118
-	321G3790	26
-	321G3990	26
-	321G4090	28
-	321H1590	22
-	321K31	22/56
-	321K3106	22
-	321K33	22/56
-	321K3306	22
-	321K35	22/56
-	321K3506	22
-	321K36	24/56
-	321K3606	24
-	321K37	24/56
-	321K3706	24
-	331B7490	150
-	341B3490	188
-	341L04	218
-	341L05	218
-	341L11	202/250
-	341L1190	204/254
-	341L9101	196/248
-	341L9201	214
-	341L9504	270
-	341L9598	270
-	347L11	206/252
-	347L9101	198/254
-	347L9201	214

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Parker Hannifin is a leading global motion-control company dedicated to delivering premier customer service. A Fortune 500 corporation listed on the New York Stock Exchange (PH), our components and systems comprise over 1,400 product lines that control motion in some 1,000 industrial and aerospace markets. Parker is the only manufacturer to offer its customers a choice of hydraulic, pneumatic, and electromechanical motion-control solutions. Our Company has the largest distribution network in its field, with over 7,500 distributors serving more than 400,000 customers worldwide.

Parker's Charter

To be a leading worldwide manufacturer of components and systems for the builders and users of durable goods. More specifically, we will design, market and manufacture products controlling motion, flow and pressure. We will achieve profitable growth through premier customer service.

Product Information

North American customers seeking product information, the location of a nearby distributor, or repair services will receive prompt attention by calling the Parker Product Information Center at our toll-free number: 1-800-C-PARKER (1-800-272-7537). In the UK, a similar service is available by calling 0500-103-203.

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The Climate & Industrial Controls Group designs, manufactures and sells system controls and protectors to refrigeration and air-conditioning customers worldwide. The Group also provides solenoid valves, process control valves, and gerotors for a multitude of industrial applications.

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Catalogue 8930/GB
October 2003