



ROTAREX
FIRETEC



INERT GAS

EQUIPMENT FOR 200/300 BAR
FIRE SUPPRESSION SYSTEMS

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All Rotarex Firetec system components are approved and certified compliant with recognized international norms. Certifications relate to individual products, and are clearly indicated on each respective product page.

In addition, all Rotarex manufacturing sites comply with ISO 9001 quality standards.



1 Compliant with the Construction Products Regulation (CPR) V3 Oct. 2014

2 According to the Pressure Equipment Directive (97/23/EC)

*Marked products are UL approved when configured in a complete system compliant with NFPA 2001. and UL 2127

ALL THE COMPONENTS FOR A COMPLETE INERT GAS SYSTEM

Rotarex offers all the components needed to configure a complete system for 200/300 bar inert gas extinguishing agent.

- **Components entirely compatible and interchangeable**
- **Easier and faster installation - No “bad surprises”**
- **System pre-tested and qualified**
- **Everything to the same high-specification**
- **Greater confidence in performance at the critical time**
- **Full warranty protection**
- **Simplicity of a single supplier**

Rotarex makes it easy for system engineers and installers to configure fixed suppression systems—choosing only select components—or using the entire system.

For maximum ease and certainty of performance, specify Rotarex components to configure the entire system.

A complete component solution		
1	Cylinder 80 L - 200/300 bar	Page 14
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SERIES B0480 VALVES AND ACCESSORIES



CYLINDER-VALVE ASSEMBLIES
200 bar and 300 bar

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SERIES B0480
Cylinder valve for 200/300 bar inert gas

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DISCHARGE PRESSURE REGULATOR P. 015



Coming soon!

DIMES SYSTEM

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PRESSURE GAUGE

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ACTUATION DEVICES & ACCESSORIES



MANUAL RELEASE

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MANUAL/PNEUMATIC RELEASE

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PNEUMATIC RELEASE

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ELECTROMAGNETIC RELEASE

P. 016



BLEED VALVE

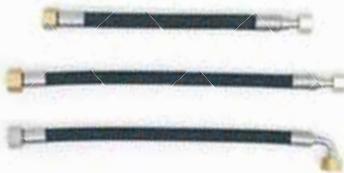
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PILOT HOSE

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DISCHARGE HOSES, MANIFOLDS & ACCESSORIES



DISCHARGE HOSES P. 020



MANIFOLDS P. 021



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MOUNTING BRACKETS



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MANIFOLD BRACKETS P. 027

SPECIAL APPLICATIONS



VALVES FOR PILOT CYLINDERS P. 028

VALVE TECHNOLOGIES

PROVEN TECHNOLOGY

Rotarex is the world leader in high-performance cylinder valves for fixed extinguishing systems as well as Ultra High Purity, Medical, Cryogenic, Automotive and LPG applications. They leverage 90-year expertise, vast R&D infrastructure and global scale to provide the most technically advanced and dependable fire suppression valves in the market. Trust Rotarex valves to perform when it most counts.

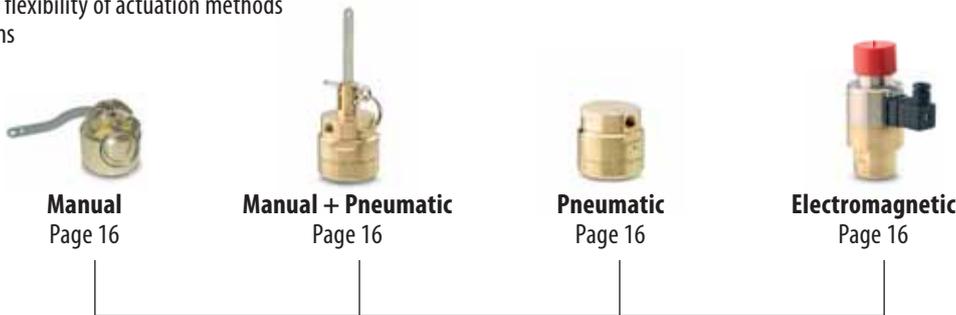
The valve is specifically designed for high pressure inert gas applications. Technology: pressure differential piston type.



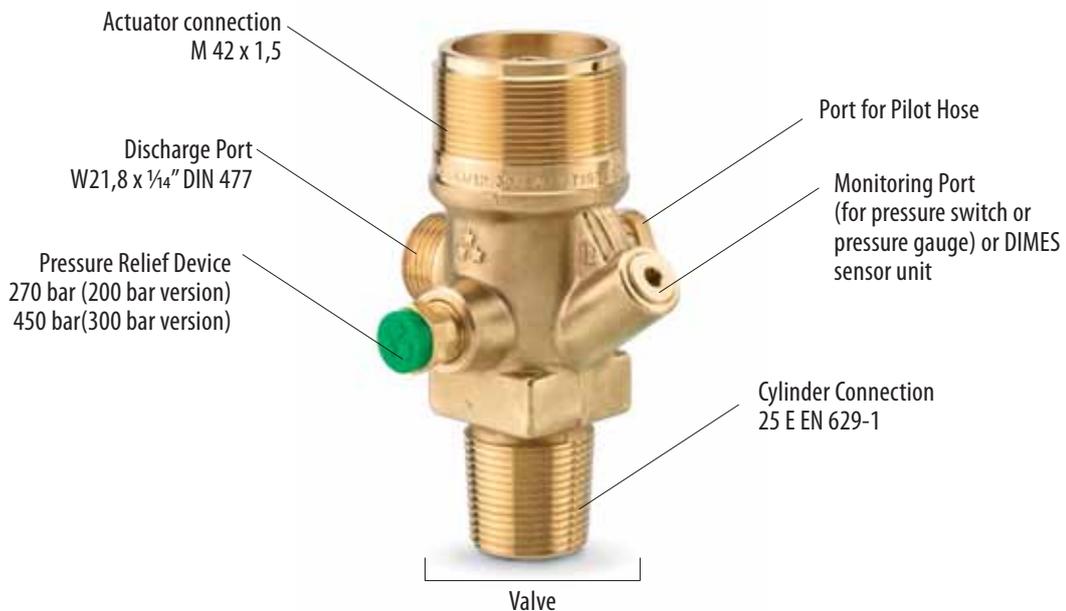
Rotarex recommends its high-performance Series B0480 valve technology for 200/300 bar inert gas systems. Over 200,000 valves are already in service.

SERIES B0480

200/300 bar valve with flexibility of actuation methods for inert gas applications



CAN BE USED WITH A RANGE OF DIFFERENT ACTUATORS



SPECIFICATIONS

Working pressure	200 bar or 300 bar versions available	Seat orifice size	12 mm	Temperature range	-20°C to +60°C
Valve body	Brass	Outlet orifice size	12 mm		

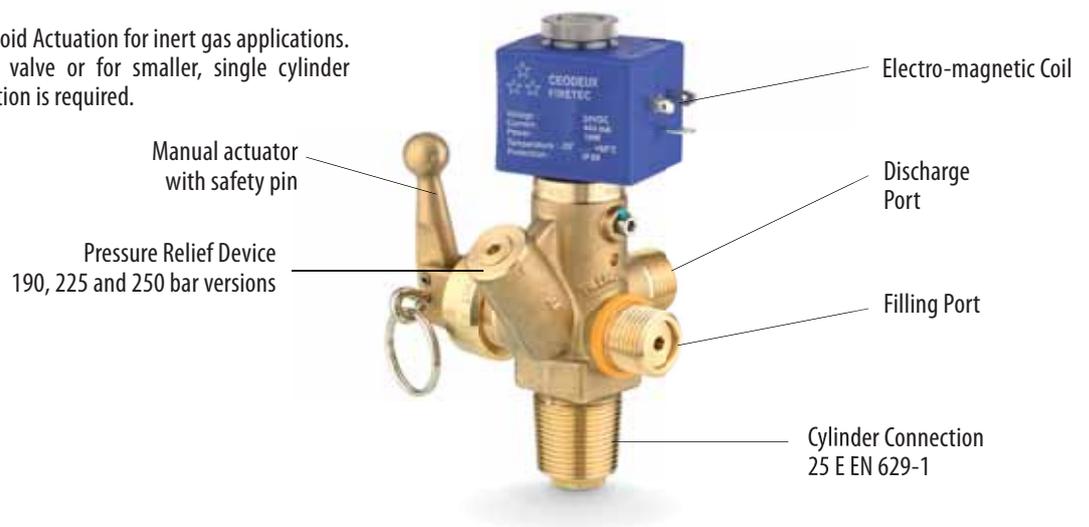
VALVE TECHNOLOGIES (continued)



Multiple actuators can be used together in a series.

SERIES B0439

200 bar valve with Fixed and Solenoid Actuation for inert gas applications. Can be used as a pilot cylinder valve or for smaller, single cylinder installations where solenoid actuation is required.



Specifications

Max working pressure	200 bar	Temperature range	-20°C to +60°C	Power consumption	10 watt
Valve body	Brass	Operating voltage	24 VDC		
Seat orifice size	7 mm				

PRESSURE REGULATOR TECHNOLOGY

Rotarex Pressure Regulators modulate the discharge pressure to a constant 40-60 bar which still delivers the design concentration within 60 seconds, but with significant performance and cost benefits:

BETTER SAFETY:

- Prevents discharge freeze-up
- Prevents explosive force of discharge

SAVES TIME AND MONEY:

- Enables low pressure manifolds & pipework to be used - that are lower cost and easy to install
- Reduces the difficulty and cost of locating/fitting pressure vents in the protected space

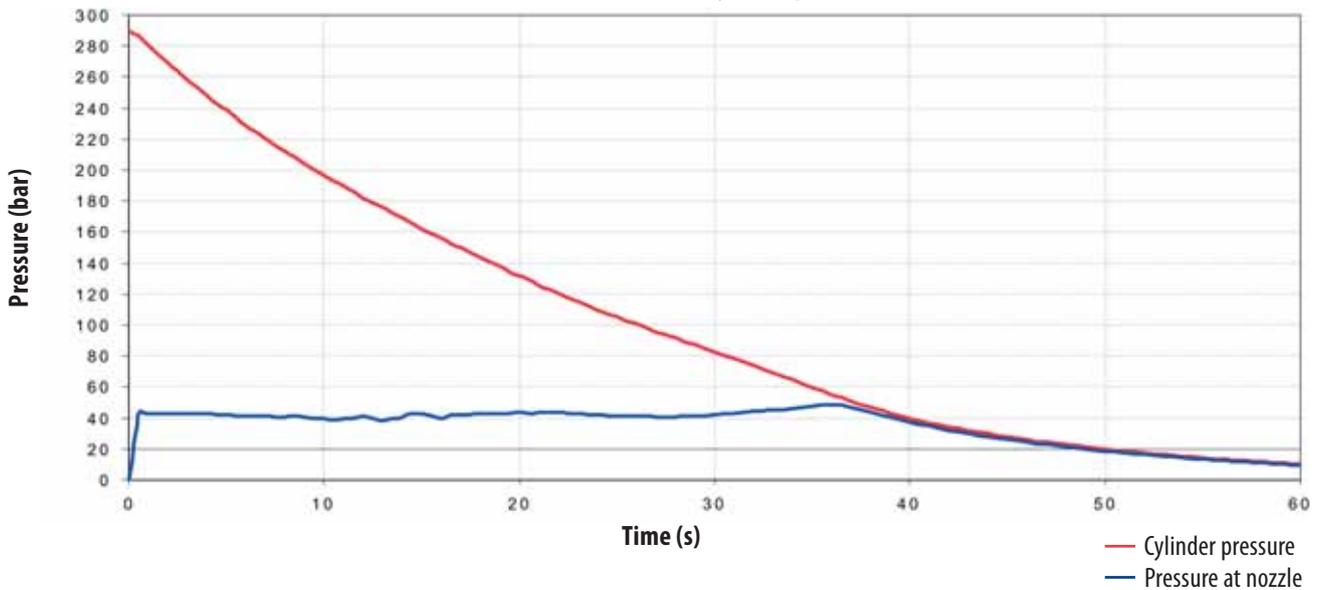
EASY MAINTENANCE:

- After a system discharge, simply remove the regulator, recharge, and reconnect. No reconditioning necessary
- Functional tests are possible even while the system is armed



VdS Design software available

Constant flow 40-60 bar dynamic pressure



ROTAREX IS A PRESSURE REGULATOR SPECIALIST

Rotarex adapts its pressure regulation technology from its proven 200 bar/300 bar laboratory, medical and ultra high purity applications to deliver innovative technology for inert gas fire extinguishing systems. The result: confident performance when it really counts.



LABORATORY



MEDICAL



UHP

COMPATIBILITY WITH INERT GAS EXTINGUISHING AGENTS

ADDITIONAL INFORMATION FOR GAS:

All Rotarex fixed system components are compatible for use with the most commonly used inert gas extinguishing agents at 200 or 300 bar cylinder pressure.

Inert gases are naturally present in the air, and have no impact on the environment. Inert gases are really efficient when extinguishing fire as they permit to reduce the oxygen of the area below the oxygen level required for combustion (15%).

TYPE OF AGENT

IG 01	IG 100	IG 55	IG 541
100% Argon	100% Nitrogen	50% Argon 50% Nitrogen	50% Nitrogen 42% Argon 8% CO ₂
EN 15004-7	EN 15004-8	EN 15004-9	EN 15004-10
IG 01 is heavier density than air (1.38). Thus, Argon perfectly adapted to spaces where false floors have been installed because of low upper part insulation	IG 100 has a similar density to air (0.97). Thus, Nitrogen can disperse optimally in the room space and maintain a concentration for a long period.	As mixed gases, IG 55 and IG 541, enable to have different density and thus to disperse and cover the entire space area.	

CERTIFICATION

Firetec system components are approved and certified compliant with recognized international norms. Certifications relate to individual products, and are clearly indicated on each respective product page.

In addition, all Rotarex manufacturing sites comply with ISO 9001 quality standards.



SOFTWARE AVAILABILITY

Design Software is available to calculate fire suppression systems to ISO 14520, VdS 2380, and NFPA 2001.

The software is easy to use and only by entering the overall project data (protected area space, type of gas, application...), the software enables users to have a precise overview of the given project thanks to:

- Calculation of the extinguishing agent's amount,
- Calculation of the equipment and components,
- Outline of the optimal installation design.



Coming soon!

IMPROVE SAFETY AND CERTAINTY WITH THE DIMES DIGITAL MEASUREMENT SYSTEM.

- Digitally measures cylinder pressure to determine the level of extinguishing agent in the cylinder – replaces standard pressure gauges
- Continually monitors and confirms that the system is fully charged and ready
- Proactively sends a warning signal in case of a pressure drop such as a leak or system discharge
- Connects to any alarm or control box
- Can actuate other electronic functions, such as cutting electricity or closing ventilation. No need for additional pressure switches.

DIMES SENSOR UNIT BENEFITS:

- Takes into account gas type and temperature changes.
- Extremely resistant to vibration
- Visual indicators on captors
- Can retrofit already-installed valves
- Several cylinders can be controlled by a unique control box
- Models with digital display for visual inspection



DIMES: HOW IT WORKS:

The DIMES Sensor unit replaces the standard pressure gauge on the valve port (M10x1 connection).

Built-in sensors continually monitor cylinder pressure and ambient temperature.

An integrated processor calculates the exact cylinder contents using the algorithm of the known relationship between pressure and temperature for each specific inert gas mixtures: IG100, IG01, IG55 and IG 541.

The system can be programmed to send a warning alarm when the pressure drops below a level that you determine – such as in the event of a leak or when the system discharges.

STANDARD PRESSURE GAUGES



DIMES SYSTEM



DIMES replaces passive pressure gauges for more accurate and pro-active monitoring as well as secondary functionalities.

DIMES – DIGITAL MEASUREMENT SYSTEM

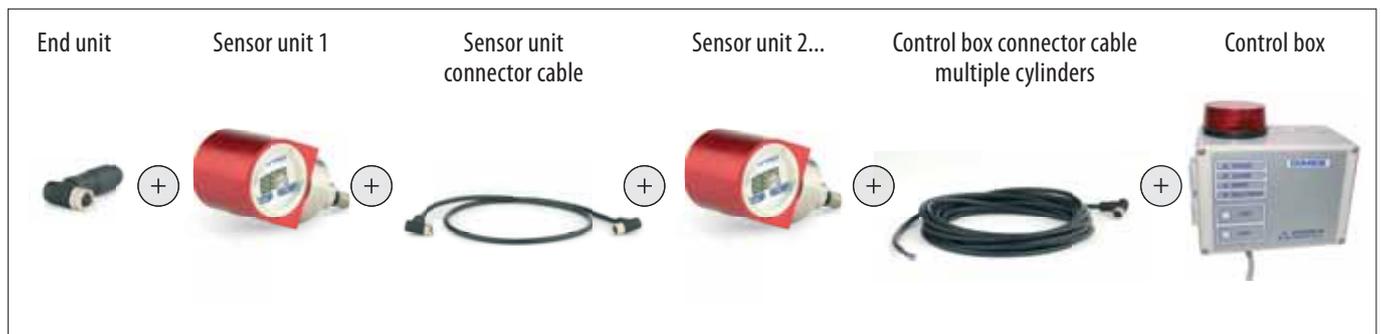
FLEXIBLE CONFIGURATION OPTIONS

DIMES sensor units are available in single and multi-connection versions – connecting either a single cylinder or multiple cylinders in series.

SINGLE CYLINDER

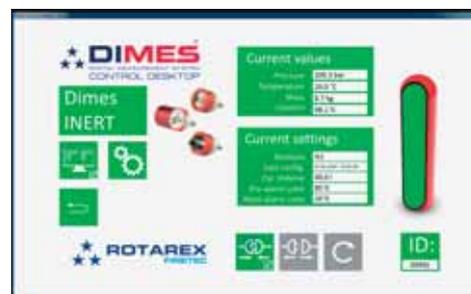


MULTIPLE CYLINDERS



MONITORING SOFTWARE + DATA TRANSMISSION INTERFACE:

Data can be sent to a special control box or computer for monitoring via the data interface cable



Optional cable available to connect with computer (USB)

SERIES B0480 CYLINDER/VALVE ASSEMBLY FOR 200/300 BAR INERT GAS

A complete cylinder/valve assembly.
 - 80L cylinder for 200 or 300 bar inert gases
 - B0480 cylinder valve
 - Steel protection cap
 - Filled or empty

KEY FEATURES

- Improves productivity: cylinder/valves arrive pre-assembled
- Compliant with CE norms
- Cylinders can be delivered filled or unfilled
- Cylinders color-coded with green band*
- UL-approved value burst discs have a higher flow according to CGA S1.1

SYSTEMS ARE AVAILABLE EITHER EMPTY OR PRE-FILLED FOR 200 OR 300 BAR

- IG 01
- IG 100
- IG 55
- IG 541



Standard product code

UL-approved product code

	200 bar	300 bar	200 bar	300 bar
Empty	B04807000	B04808000	B04807002	B04808003
Filled IG 01	B04807100	B04808100	B04807102	B04808103
Filled IG 100	B04807200	B04808200	B04807202	B04808203
Filled IG 55	B04807300	B04808300	B04807302	B04808303
Filled IG 541	B04807400	B04808400	B04807402	B04808403

SPECIFICATIONS

Working pressure	200 bar or 300 bar versions	Max. pressure	300 bar (200 bar) 450 bar (300 bar)	Length with valve	1770 ± 10mm (200 bar) 1850 ± 10mm (300 bar)
Seamless Steel Cylinder	Water volume 80l	Weight empty	87 kg (200 bar) 111 kg (300 bar)	Diameter	267 mm ± 1%
Gas to be filled*	IG 01, IG 55, IG 100, IG 541				

*Special colors available on request

VALVES FOR 200/300 BAR INERT GAS

High Pressure cylinder valves for 200 bar or 300 bar inert gas fire suppression systems.



KEY FEATURES

- Choice of standard Vds/LPCB or UL-approved versions
- Available in 200 bar and 300 bar versions
- Requires one of 4 actuator device options (see page 8)
- Special connections available on request
- UL-approved value burst discs complies with CGA S1.1



UL-approved

Vds/LPCB-approved

200 bar	B04801218
300 bar	B04802020

B04801208
B04802007

SPECIFICATIONS

Working pressure p max.	200 bar or 300 bar versions	Valve body	Brass	Release device connection	M 42 x 1,5
Temperature range	-20°C to +60°C	Inlet connection	25E EN-629-1	Standard burst disc	
Seat orifice size	12 mm	Outlet connection	W21,8 x 1/4" DIN 477	200 bar	Vds/LPCB 270 bar 300 bar
Outlet orifice size	12 mm	Dip tube connection	M 16 x 1	300 bar	Vds/LPCB 450 bar 450 bar

CONSTANT DISCHARGE PRESSURE REGULATOR

Pressure Regulator to create a more constant flow during discharge to prevent line freezing.

KEY FEATURES

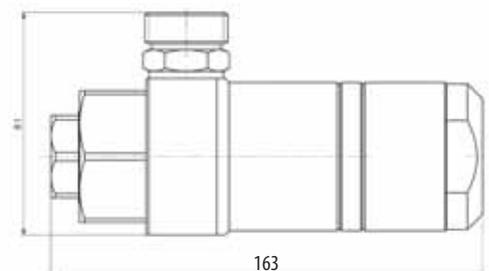
- Reduces discharge pressure to a pre-set pressure (60 bar)
- Attaches to the valve discharge port
- Helps prevent blockage due to line freezing
- Helps reduce pressure blow-outs and venting requirements
- Vds certified



Mounts on B0480 valve



Product code B08400003



SPECIFICATIONS

Nominal inlet pressure	300 bar	Inlet connection	W21,8 x 1/4" DIN 477	Dynamic outlet pressure	see chart page 10
Max inlet pressure	360 bar	Outlet connection*	W21.8 x 1/4" DIN 477	Static outlet pressure	60 bar
Inlet orifice size	12 mm				

*Special thread options available on request

1 Compliant with the Construction Products Regulation (CPR) V3 Oct. 2014

RELEASE DEVICES

Devices to actuate the release of extinguishing agent

For use with Series B0481, B0482 and B0480 Valves



	Manual	Manual / Pneumatic		Pneumatic	
Product code	B04420100	B04420065	B04420116	B04420066	B04420076
Technology	single piston	single piston	double piston	single piston	double piston
Max. pressure	300 bar	300 bar	300 bar	300 bar	300 bar
Valve connection	M 42 x 1,5	M 42 x 1,5	M 42 x 1,5	M 42 x 1,5	M 42 x 1,5
Pneumatic connection	-	G1/8"	G1/8"	G1/8"	G1/8"
Actuation force / pressure	< 150 N	< 150 N / 20 bar	< 150 N / 10 bar	20 bar	10 bar
Body material	Brass	Brass	Brass	Brass	Brass
Height	54	136,5	156,5	50	71
Diameter	Ø50	Ø50	Ø50	Ø50	Ø50

ELECTROMAGNETIC RELEASE DEVICE

Device to electrically actuate the release of extinguishing agent.

For use with Series B0481, B0482 and B0480 Valves.



KEY FEATURES

- Most commonly used as a master valve to actuate the system electronically, such as with connection to a smoke or heat detection device
- Electronically actuates the release of extinguishing agent

* Applies to B04425131 and B04425132 only

WITH BLOCKING DEVICE.

To perform maintenance while under pressure



B04425146

B04425147

B04425131

B04425132

B04425109

B04425129

	With diode	Without diode	With diode	Without diode
Valve connection	M42 x 1,5	M42 x 1,5	M42 x 1,5	M42 x 1,5
Nominal voltage	24 VDC	24 VDC	24 VDC	24 VDC
Electrical connection	-	-	PG 9	PG 9
Nominal current	0,5 A	0,5 A	0,5 A	0,5 A
Protection Class	IP65	IP65	IP65	IP65
Height	135 mm	135 mm	135 mm	135 mm
Diameter	Ø 65 mm	Ø 65 mm	Ø 80 mm	Ø 80 mm

1 Compliant with the Construction Products Regulation (CPR) V3 Oct. 2014

RESET TOOL FOR ELECTROMAGNETIC ACTUATOR

Used to reset the electromagnetic actuator piston when putting the system back in active service after system discharge.

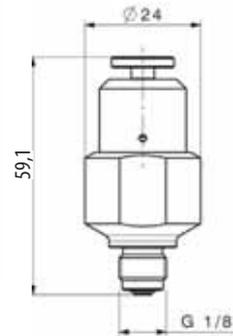


Screws into the base of B04425XXX electromagnetic release device

Product code	029210064
Connection	M 42 x 1,5
Material	Brass

BLEED VALVE

To vent overpressure and prevent false system discharge in the event of a small pressure leak from the cylinders into the pneumatic actuators.



Product code	029730040
Pneumatic connection	G 1/8"
Closing pressure	between 0,7 to 1,5 bar
Flow at p=0.6 bar	6 liters/min

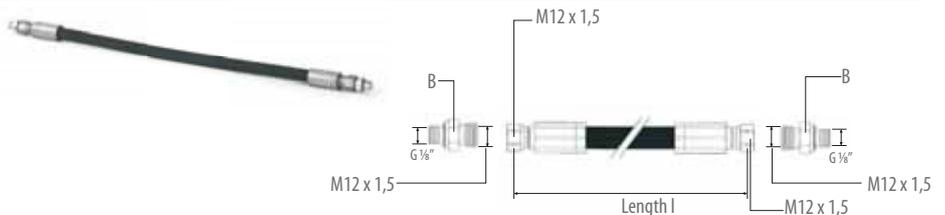


PILOT HOSES

Hose to connect multiple cylinders in a series.

Connects a master valve or a pneumatic actuator with another pneumatic actuator.

STRAIGHT PILOT HOSE FOR B0480



- Both ends have a straight fitting
- 400 bar working pressure
- With O-rings



Adapter must be ordered separately. 2 per hose.

	Product code	Length l	Connection	Bending radius
A1	B06920211	400 mm	2 x M12 x 1,5	75 mm
A2	B06920212	700 mm	2 x M12 x 1,5	75 mm
A3	B06920213	500 mm	2 x M12 x 1,5	75 mm
Adapter B	029510006		M12 x 1,5 / G1/8	

SPECIFICATIONS

Working pressure	400 bar	Temperature Range	-40°C to 100°C	Interior diameter	1/8"
Burst pressure	1600 bar	Material	Synthetic rubber oil resistant	Norm	EN 857 2 SC
Torque	20-25 Nm				

1 Compliant with the Construction Products Regulation (CPR) V3 Oct. 2014

DIMES – DIGITAL MEASUREMENT SYSTEM

Coming soon!

Digital Measurement System for Clean Agent Fire Suppression Systems

SINGLE-CYLINDER



	SENSOR UNIT	SENSOR UNIT WITH DIGITAL DISPLAY	CONNECTOR CABLE TO CONTROL BOX
Product code	B04651100	B04661100	029900088
Max. working pressure	300 bar	300 bar	-
Connection type	8-pin	8-pin	8-pin

MULTIPLE-CYLINDERS



	SENSOR UNIT	SENSOR UNIT WITH DIGITAL DISPLAY	CONNECTOR CABLE CONNECTS SENSOR UNITS
Product code	B04651200	B04661200	024900415
Max. working pressure	300 bar	300 bar	-
Connection type	4-pin	4-pin	4-pin



	END CONNECTION	CONNECTOR CABLE TO CONTROL BOX
Product code	024900425	024900416
Connection type	4-pin	4-pin

DATA INTERFACE CABLES



	SINGLE CYLINDER DATA INTERFACE CABLE	MULTIPLE CYLINDER DATA INTERFACE CABLE
Product code	024900419	024900420
Connection type	8-pin to USB	4-pin to USB

PRESSURE GAUGES – CE/VDS APPROVED

Measures and displays the cylinder pressure for confirmation that the system is properly charged and ready.

Integrated pressure switch.



KEY FEATURES

- Available with or without integrated pressure switch
- Available in 200 or 300 bar versions.

M 10 X 1 WITH PRESSURE SWITCH

M 10 X 1



Product code	029720234	029720083	029720092	029720059
Mounting	Radial	Radial	Radial	Rear
Connection	M 10 x 1			
Scale	0-315 bar	0-400 bar	0-360 bar	0-360 bar
Switch pressure	180 bar	270 bar	None	None
Position	NO	NO	-	-
Certifications	CE - Vds	CE - Vds	CE	CE

PRESSURE GAUGES FOR UL APPROVED SYSTEMS

Measures and displays the cylinder pressure for confirmation that the system is properly charged and ready.
Integrated pressure switch

KEY FEATURES

- Integrated pressure switch
- Available in 200 or 300 bar versions.



200 BAR / 2900 PSI

300 BAR / 4350 PSI



	IG 100	IG 55	IG 01	IG 541	IG 100	IG 55	IG 01	IG 541
Product code	029720219	029720220	029720221	029720222	029720215	029720216	029720217	029720218
Mounting	Radial							
Connection	M10 x 1							
Position	NO							
Switch pressure	2842 psi	2839 psi	2839 psi	2839 psi	4230 psi	4245 psi	4273 psi	4245 psi
Poles	2 x 3	2 x 3	2 x 3	2 x 3	2 x 3	2 x 3	2 x 3	2 x 3

1 Compliant with the Construction Products Regulation (CPR) V3 Oct. 2014

2 According to the Pressure Equipment Directive (97/23/EC)

DISCHARGE HOSES

Hose to connect the cylinder valve to the manifold in fixed fire suppression systems.

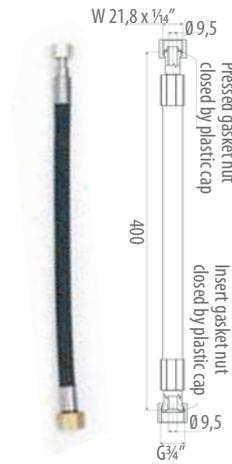


DN 16*

For 140 L cylinders

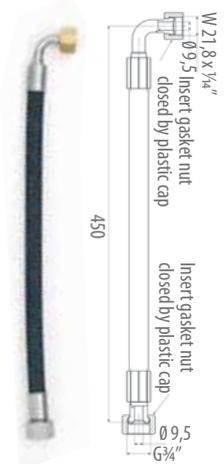


DN 12 STRAIGHT



DN 12 90° ELBOW

When no regulator is used



Product code

B06920225

B06920224

B06920226

SPECIFICATIONS

Working pressure	350 bar for 16DN 380 bar for 12DN	Material	Synthetic rubber oil resistant	To manifold connection (outlet)	G $\frac{3}{4}$ "
Burst pressure	1400 bar for 16DN 1520 bar for 12DN	Norm	EN 853 2 SN	Bending radius	180 mm for DN16 130 mm for DN12
Temperature range	-40°C to 100°C	Valve connection (inlet)	W 21,8 x $\frac{1}{4}$ " DIN 477	Length	400 mm for DN16 & DN12 straight 450 mm for DN12 Elbow
Torque	38-42 Nm				

CHECK VALVE

Prevents backflow into the cylinder.

Required for each hose attachment to the discharge manifold.



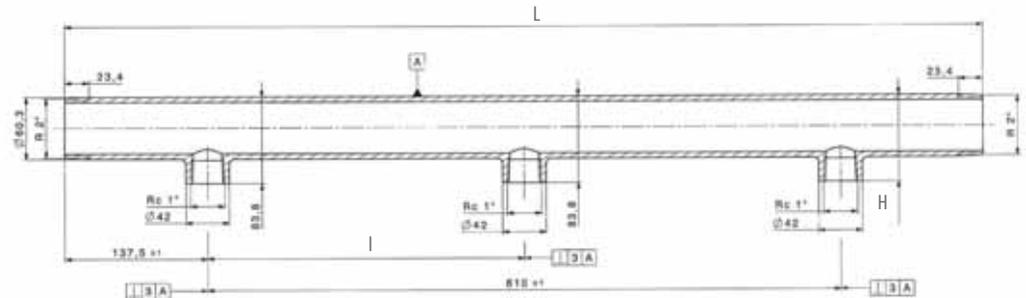
Product code	B04600008
Max. working pressure	360 bar
Test pressure	150 bar
Gases	IG 01, IG 55, IG 100, IG 541
Material	Brass
Hose connection	G $\frac{3}{4}$ "
Manifold connection	R1"

1 Compliant with the Construction Products Regulation (CPR) V3 Oct. 2014

MANIFOLD FOR 100 BAR INERT GAS –1 ROW

Manifolds to connect from 2 to 5 cylinders at 100 bar pressure. Single row configuration.

Only for use with valves with pressure regulators.



Inlets: Rc 1"	Product code	Length L	Length l	Height H
2 cylinders	B05800013	580 mm	305 mm	83,8 mm
3 cylinders	B05800014	885 mm	305 mm	83,8 mm
5 cylinders	B05800015	1495 mm	305 mm	83,8 mm

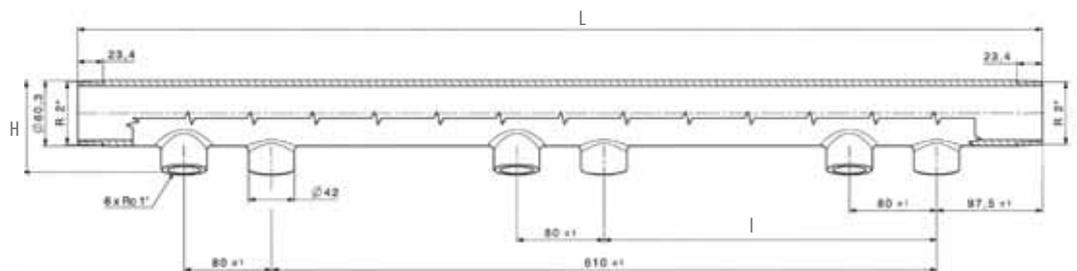
SPECIFICATIONS

Working pressure	Max 100 bar	Gases	IG 01, IG 55, IG 100, IG 541	Connection	Rc1"
Test pressure	150 bar	Surface	Hot dip galvanized steel	Outlet Connection	R2"

MANIFOLD FOR 100 BAR INERT GAS –2 ROWS

Manifolds to connect from 4 to 10 cylinders at 100 bar pressure. Double row configuration.

Only for use with valves with pressure regulators.



Inlets: Rc 1"	Product code	Length L	Length l	Height H
4 cylinders	B05800016	580 mm	305 mm	83,8 mm
6 cylinders	B05800017	885 mm	305 mm	83,8 mm
10 cylinders	B05800018	1495 mm	305 mm	83,8 mm

SPECIFICATIONS

Working pressure	Max 100 bar	Gases	IG 01, IG 55, IG 100, IG 541	Connection	Rc1"
Test pressure	150 bar	Surface	Hot dip galvanized steel	Outlet Connection	R2"

² According to the Pressure Equipment Directive (97/23/EC)

MANIFOLD CONNECTORS AND CAPS

- Fittings to connect or seal Firetec manifolds.
- Respects standards ISO 49 and EN 10242.
- Red dot confirms testing up to 300 bar.

MANIFOLDS CONNECTOR



END CAP



Product code	026300500	023400100
Working pressure	100 bar	100 bar
Test pressure	300 bar	300 bar
Surface	Hot dip galvanized steel	Hot dip galvanized steel
Connection	G2"	G2"

PRESSURE GAUGE FOR MANIFOLD

Optional pressure gauge to monitor discharge pressure. Mandatory when using directional valves - multiple zone protection.

With glycerine filling.



Product code	028200231
Diameter	80 mm
Connection	G½ - 14
Gauge range	0 - 400 bar
Quality Class	1.6

PRESSURE SAFETY VALVE FOR MANIFOLD

Safety device to prevent over pressure during discharge.



SPRING LOADED



Product code	029730037
Relief pressure	66 bar at 20°C 957 psi at 68°F
Connection	G ½"

² According to the Pressure Equipment Directive (97/23/EC)

PRESSURE & FLOW DETECTOR SWITCH

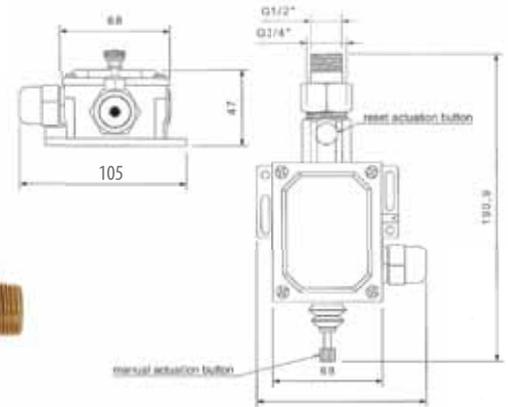
Used to send a signal when the system is discharging.

Pressure Activated.



KEY FEATURES

- Sends a signal to a control panel or alarm box at the earliest phase of discharge
- Actuated at 2 bar pressure
- Flexible Voltage/Amp power source



Product code	028250050
Opening Pressure	2 bar
Design Pressure	200 bar
Test pressure	300 bar
Connection	G 1/2"
Power source	400 VAC / 3A or 24 VDC / 10 A
Protection	IP65

DIRECTIONAL VALVE

Valve and actuator assembly to isolate separate protection zones from the same cylinder rack.

Includes valve + bracket + motor

Permits discharge only in the zone with the fire.



KEY FEATURES

- Available in Carbon Steel or Stainless Steel versions
- Choice of 5 diameters: 1"/1,5"/2"/2,5"/3"
- 2-way ball valve
- User-defined installation position and flow-direction
- Output of 2 limit switches
- Electronic over-torque protection
- LED status indication
- Plugs with ISO440 and C192



Operation of valve unit only possible when no pressure load

Product code - Carbon steel	B05511000	B05511100	B05511200	B05511300	B05511400
Product code - Stainless Steel	B05511001	B05511101	B05511201	B05511301	B05511401
Size	1"	1,5"	2"	2,5"	3"
Unit nominal pressure	180 bar				
Operating Torque	20 Nm	35 Nm	35 Nm	55 Nm	55 Nm
Voltage	24 V DC				
Consumption at max. torque	914/22 mA/W	1491/36 mA/W	1491/36 mA/W	1428/34 mA/W	1428/34 mA/W
Operating time 90°	12 sec	12 sec	12 sec	16 sec	16 sec
Status Indicator	LED	LED	LED	LED	LED
IP rating	IP 65				
Duty rate	75%	75%	75%	75%	75%
Temperature range carbon steel	-20° C to 100° C				
Temperature range stainless steel	-30° C to 100° C				
Weight	7,8 kg	11,8 kg	13 kg	39,5 kg	49,5 kg
Seal material	POM (greased), NBR				

DISCHARGE NOZZLES | PRE-ASSEMBLED

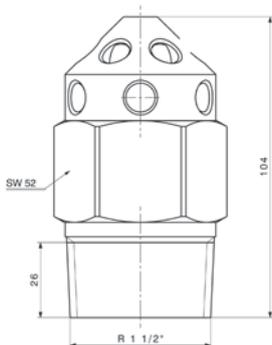
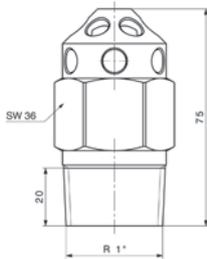
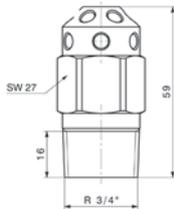
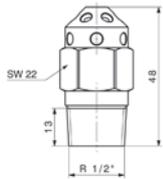
Pre-bored and fully assembled discharge nozzles for inert gas systems.

For faster and easier installation.



KEY FEATURES

- Max. working pressure 300 bar
- Material: brass
- Special orifice diameters available on request



Size of thread	Product code	Orifice Diameter	Product code	Orifice Diameter
1/2" BSP	B04611100	3 mm	B04611108	3,5 mm
	B04611101	4 mm	B04611109	4,5 mm
	B04611102	5 mm	B04611110	5,5 mm
	B04611103	6 mm	B04611111	6,5 mm
	B04611104	7 mm	B04611112	7,5 mm
	B04611105	8 mm	B04611113	8,5 mm
3/4" BSP	B04611106	9 mm	B04611114	9,5 mm
	B04611200	7 mm	B04611208	7,5 mm
	B04611201	8 mm	B04611209	8,5 mm
	B04611202	9 mm	B04611210	9,5 mm
	B04611203	10 mm	B04611211	10,5 mm
	B04611204	11 mm	B04611212	11,5 mm
1" BSP	B04611205	12 mm	B04611213	12,5 mm
	B04611206	13 mm	B04611214	13,5 mm
	B04611300	10 mm	B04611309	10,5 mm
	B04611301	11 mm	B04611310	11,5 mm
	B04611302	12 mm	B04611311	12,5 mm
	B04611303	13 mm	B04611312	13,5 mm
1 1/2" BSP	B04611304	14 mm	B04611313	14,5 mm
	B04611305	15 mm	B04611314	15,5 mm
	B04611306	16 mm	B04611315	16,5 mm
	B04611307	17 mm	B04611316	17,5 mm
	B04611400	15 mm	B04611412	15,5 mm
	B04611401	16 mm	B04611413	16,5 mm
	B04611402	17 mm	B04611414	17,5 mm
	B04611403	18 mm	B04611415	18,5 mm
	B04611404	19 mm	B04611416	19,5 mm
	B04611405	20 mm	B04611417	20,5 mm
B04611406	21 mm	B04611418	21,5 mm	
B04611407	22 mm	B04611419	22,5 mm	
B04611408	23 mm	B04611420	23,5 mm	
B04611409	24 mm	B04611421	24,5 mm	
B04611410	25 mm	B04611422	25,5 mm	

DISCHARGE NOZZLES | SELF-ASSEMBLY KIT

Discharge nozzles where you drill the orifice to your required orifice diameter and assemble yourself.

Easier to stock. A more economical alternative.

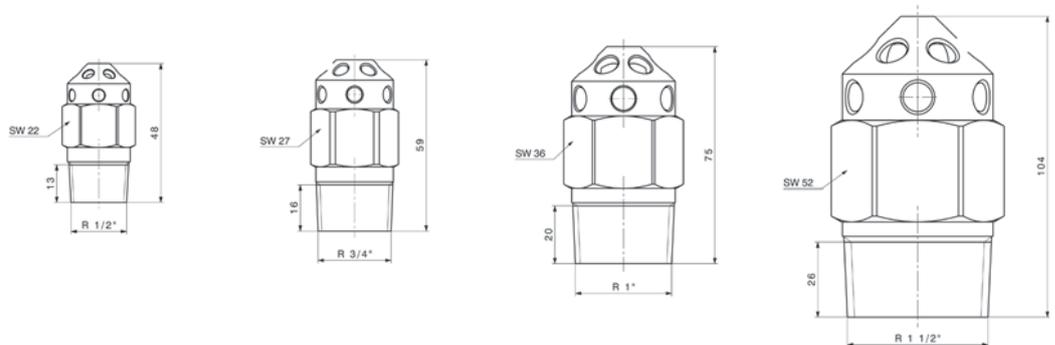


KEY FEATURES

- Max. working pressure 300 bar
- Material: brass



Size of thread	Product code	Orifice Diameter	Maximum bore diameter
1/2" BSP	B04610100	3	up to 9,5 mm
3/4" BSP	B04610200	7	up to 13,5 mm
1" BSP	B04610300	10	up to 17,5 mm
1 1/2" BSP	B04610400	15	up to 25,5 mm



80 L CYLINDER MOUNTING BRACKETS - SINGLE ROW

Wall mounting rail, cylinder clamps and end caps parts to mount 80L cylinders to the wall.

KEY FEATURES

- Galvanized steel components for solid support and a long service lifetime
- Wall mounting rail available in multiple lengths to accommodate between 1 – 5 cylinders
- Multiple brackets may be used for more than 5 cylinders



1

WALL MOUNTING RAIL

Input	Length L	Product code
1 cylinder	400 mm	024900311
2 cylinders	645 mm	024900312
3 cylinders	940 mm	024900313
4 cylinders	1240 mm	024900314
5 cylinders	1535 mm	024900315

2

CLAMP FOR CYLINDER

Diameter	Product code
263-276 mm	024900321

3

END CAP FOR MOUNTING RAIL AND BRACKET

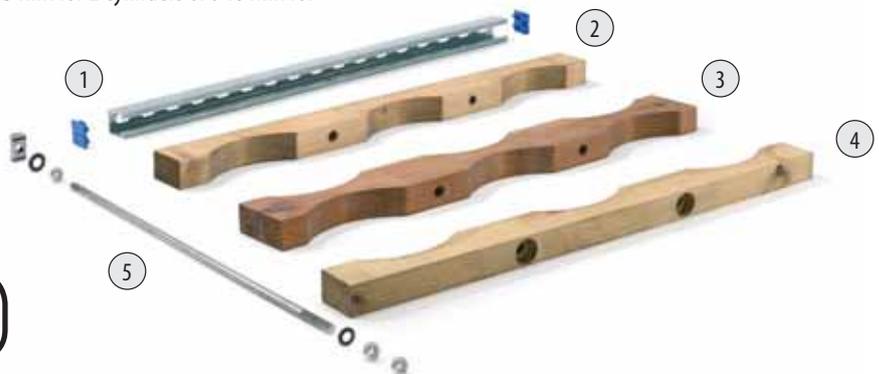
Product code
024900322

80L CYLINDER MOUNTING BRACKETS - DOUBLE ROW

Brackets to secure a double-row of 80L cylinders

KEY FEATURES

- Available in two sizes for 2 or 3 cylinders
- Bracket length: 645 mm for 2 cylinders or 940 mm for 3 cylinders



Order 1 kit for 2 - cylinder configurations and 2 kits for 3 cylinders.

1

WALL MOUNTING RAIL

2

RAIL BRACKET

3

MIDDLE BRACKET

4

OUTER BRACKET

5

BOLTS & NUTS KIT

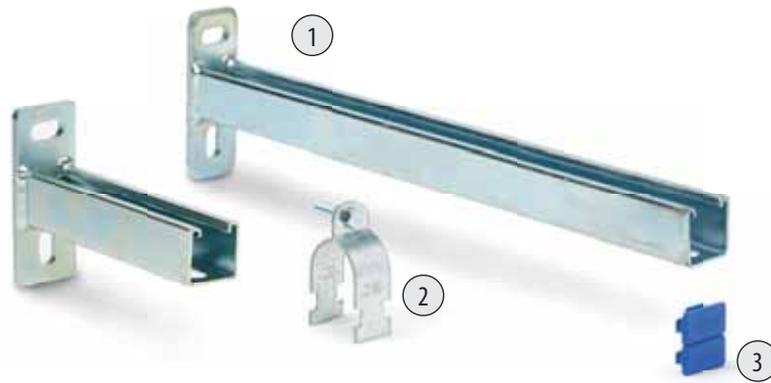
Product code									
2 cylinders	024900312	2 cylinders	024900323	2 cylinders	024900324	2 cylinders	024900325	Mounting kit	024900329
3 cylinders	024900313	3 cylinders	024900326	3 cylinders	024900327	3 cylinders	024900328		

MANIFOLD MOUNTING BRACKETS

System of brackets, clamps and end caps to mount manifolds to the wall.

KEY FEATURES

- Galvanized steel components for solid support and a long service lifetime
- Wall mounting rail available in 305 mm for single row cylinder configurations, or 610 mm for double-row configurations.
- Manifold clamps available in 2" diameters.



1
BRACKET FOR MANIFOLD

	Length A	Product code
Single row	205 mm	B05805000
Double row	505 mm	B05805001

2
CLAMP FOR MANIFOLD

Diameter	Product code
2"	B05805004

3
END CAP FOR MOUNTING RAIL AND BRACKET

Product code
024900322

LABELS FOR UL-APPROVED SYSTEMS

UL-approved cylinder labels for 67L, 80L and 140L cylinders

A mandatory part of a complete UL-approved system.

Different labels for each cylinder size, pressure and gas type



Product Codes	200 bar	200 bar	300 bar	300 bar
IG 01	028000303	028000307	028000311	028000321
IG 100	028000304	028000308	028000312	028000322
IG 55	028000305	028000309	028000313	028000323
IG 541	028000306	028000310	028000314	028000324

B0439 CYLINDER/VALVE ASSEMBLIES

A complete cylinder/valve assembly. Includes:

- CE approved steel cylinder in choice of sizes
- B0439 cylinder valve (ATEX)
- Plastic protection cap

Often used as a pilot cylinder for liquid based systems or for smaller installations using a single cylinder.

KEY FEATURES

- Improves productivity: cylinder/valves arrive pre-assembled and ready-to-fill
- Compliant with CE norms
- Cylinders are standardly delivered unfilled. Filled on request.
- Color coded with green band

Π



Product code unfilled	B04397001
Product code filled	On request
Working pressure	200 bar
Length w/ cap	661 mm
Diameter	Ø 105 mm
Cylinder volume	2,7 L
Operating temperature	-20°C to 60°C

SERIES B0439 VALVES FOR 200 BAR INERT GAS

Solenoid-actuated cylinder valve for 200-bar Inert Gas installations.

Often used as a pilot cylinder for liquid based systems or for smaller installations using a single cylinder.

- Available in standard or ATEX solenoid versions
- Port configuration for gauge only or gauge+safety valve



GAUGE



GAUGE+ SAFETY VALVE



ATEX COIL

Product code	B04390306	B04390350	B04390316
Max working Pressure	200 bar	200 bar	200 bar
Orifice Size	7 mm	7 mm	7 mm
Inlet Connection	25E EN-629-1	25E EN-629-1	25E EN-629-1
Outlet Connection	W21,8 x 1/4" DIN 477	W21,8 x 1/4" DIN 477	W21,8 x 1/4" DIN 477
Dip tube connection	M10 x 0,75	M10 x 0,75	M10 x 0,75
Operating voltage	24 V DC	24 V DC	24 V DC
Power consumption	10 watt	10 watt	11,4 watt
Burst-disc pressure	-	270 bar	-
Valve body	Brass	Brass	Brass

A FULL LINE OF GAS CONTROL SOLUTIONS



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ROTAREX is helping engineers worldwide to get better gas results: from ultra high purity production and medical care facilities to industrial and LPG applications, as well as alternative energy vehicles, fire suppression, diving, aerospace, cryogenics, laboratory, petro-chemical and welding. ROTAREX applies over 90 years of know-how and experience to custom design, develop and manufacture the high performance valves, regulators and fittings to suit your needs, all in one hand. Discover the difference ROTAREX can make in your world.

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FIRETEC

AUTOMOTIVE

LPG/SRG

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