



ROTAREX
FIRETEC



CO₂
EQUIPMENT FOR CO₂
FIRE SUPPRESSION SYSTEMS

OCTOBER 2017

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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.



ALL THE COMPONENTS FOR A COMPLETE CO₂ SYSTEM

Rotarex offers all the components needed to configure a complete system for 60 bar carbon dioxide extinguishing agent.

- **Components entirely compatible and interchangeable**
- **Easier and faster installation - No “bad surprises”**
- **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		
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SERIES B0480 VALVES FOR CO₂ SYSTEMS



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ACTUATION DEVICES & ACCESSORIES



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PNEUMATIC ACTUATORS P. 016



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BLEED VALVE P. 017



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DISCHARGE HOSES, MANIFOLDS & ACCESSORIES



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SPECIAL APPLICATIONS



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For marine applications P. 029

VALVE TECHNOLOGIES

ROTAREX THE VALVE EXPERT

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.



SERIES B0480



Manual
Page 16



Manual + Pneumatic
Page 16

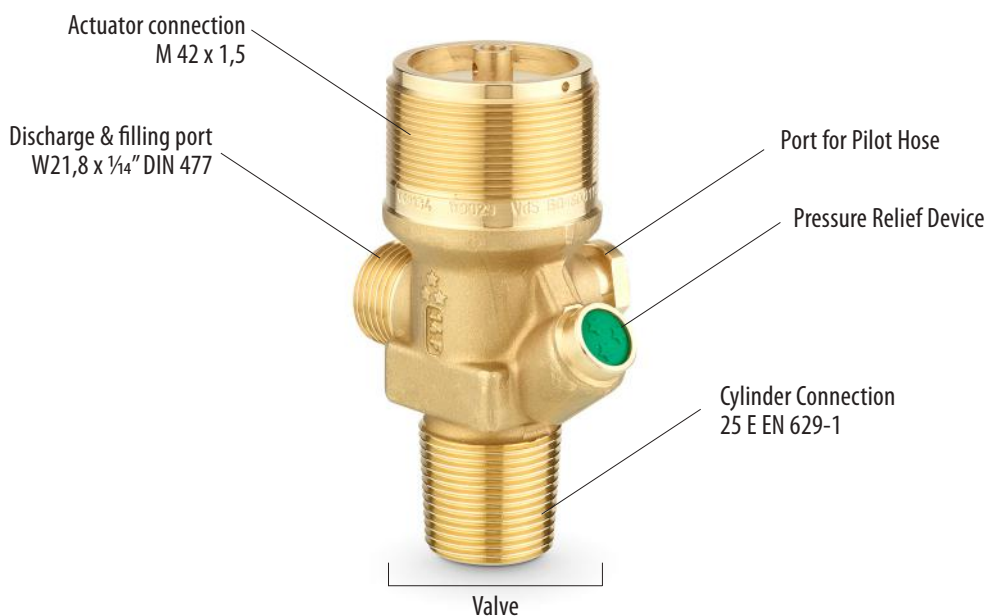


Pneumatic
Page 16



Electromagnetic
Page 16

Can be used with a range of different actuators



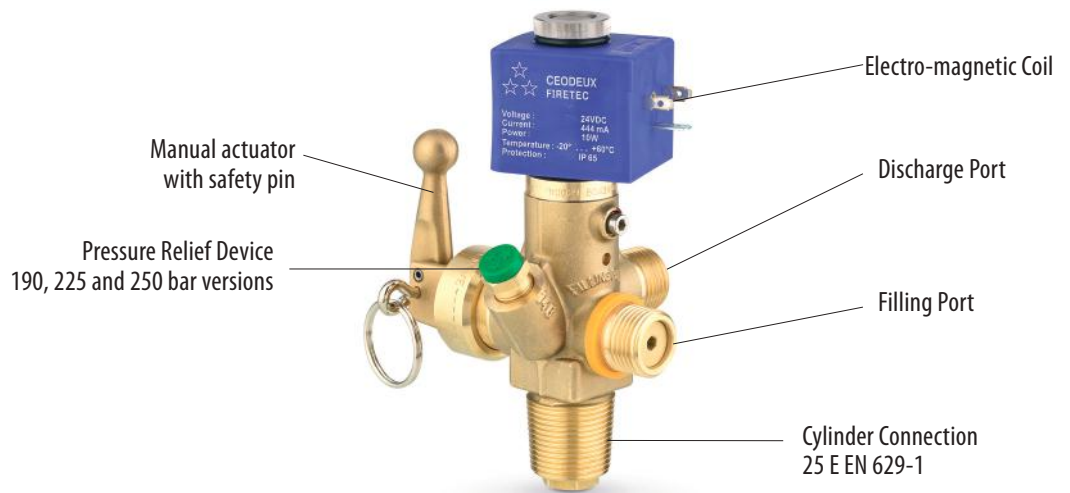
Specifications

Max. working pressure	250 bar	Seat orifice size	12 mm	Temperature range	-20°C to +60°C
Valve body	Brass	Outlet port	W21,8 x 1/4" DIN 477	Burst disc pressure	Available in 190, 225 and 250 bar versions. Other burst pressures on request.

VALVE TECHNOLOGIES (continued)

SERIES B0439 (see page 28)

Can be used as a pilot cylinder valve or for smaller, single cylinder installations where solenoid actuation is required.

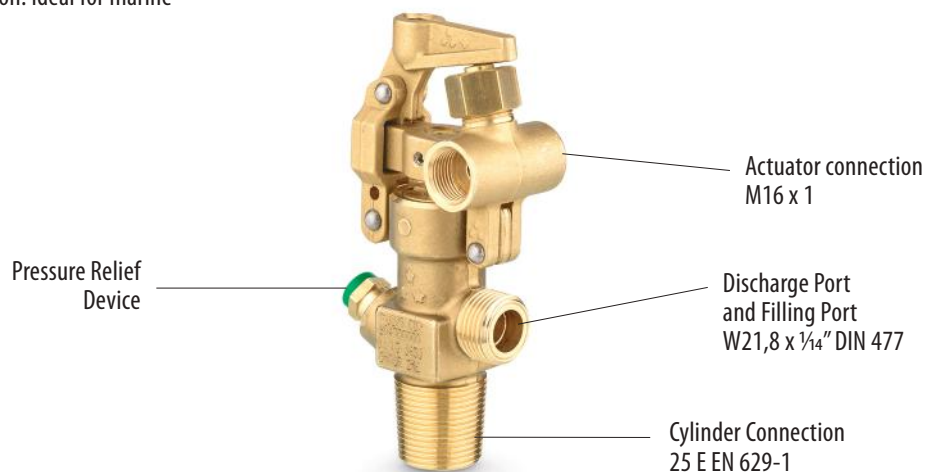


Specifications

Max. Working pressure	250 bar	Temperature range	-20°C to +60°C	Operating voltage	24 VDC
Valve body	Brass	Burst disc pressure	Available in 190, 225 and 250 bar versions. Other burst pressures on request.	Power consumption	10 watt
Seat orifice size	7 mm				

SERIES B0430 (see page 29)

200 bar Valve with manual and pneumatic actuation. Ideal for marine applications

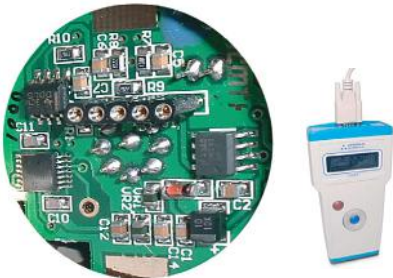


Specifications

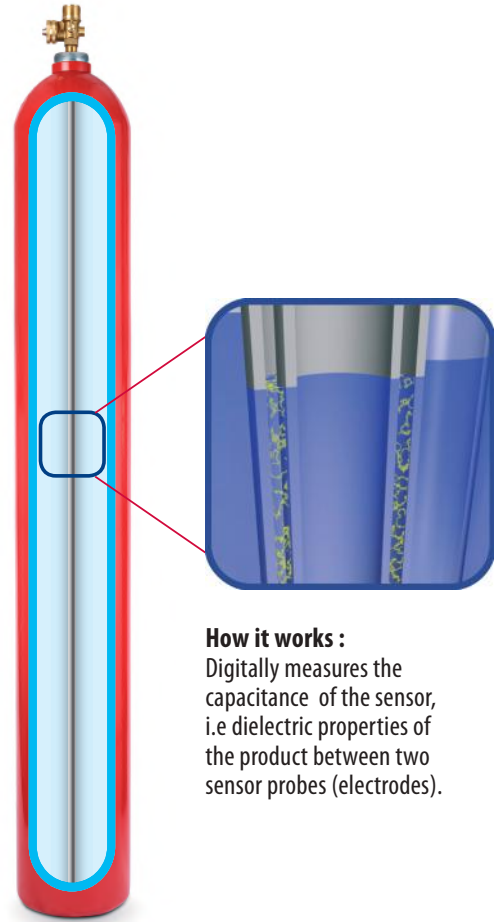
Max. Working pressure	250 bar	Seat orifice size	12 mm	Temperature range	-20°C to +60°C
Valve body	Brass	Outlet port	W 21,8 x 1/4"	Max. filling factor	0,75 Kg/l
		Filling port	W 21,8 x 1/4"	Burst disc pressure	190 or 250 bar



Rotarex highly recommends the DIMES system option to enhance productivity and ensure system readiness. DIMES electronically measures the cylinder CO₂ level in real-time – so you have more confidence that the system is armed and ready – and it significantly simplifies annual maintenance.



DIMES valves contain a micro chip that permits calibration of the system to the cylinder of valves. A calibration unit is required



How it works :
Digitally measures the capacitance of the sensor, i.e dielectric properties of the product between two sensor probes (electrodes).

DIMES ACCESSORIES



Control alarm box
Indicates that system is properly armed and sounds audio alarm when the system actuates. Compatible with any control box.



Monitoring switch recommended to:
- monitor system status
- transmit alarm signals
- send an electronic shut-down signal



Calibration unit
Calibrates the valve to the cylinder using a built-in computer chip



Technical characteristics of DIMES - electronic

Supply voltage	6 to 30 VDC	
Temperature range	- 20°C to + 60°C	
Alarm level	80 % (configurable)	
Max. switching power	20 W	
Max. contact rating	0,4 A	
Max. switching voltage	50 V	
Sealed housing	IP 67	
Max. dissipation rating	6 mA	
Max. dissipation power	12 VDC	24 VDC
	72 mW	144 mW



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



DIMES valve + control box connection cable

MULTIPLE CYLINDERS



2 cylinder cable



3 cylinder cable

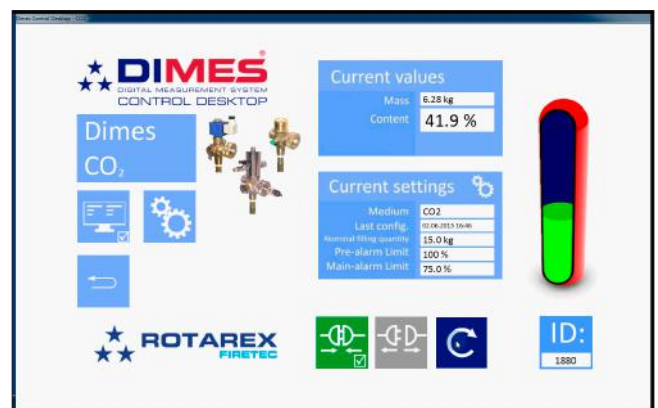


4 cylinder cable

DIMES valve + multiple cylinder connector cable + control box connection cable + end connector

DATA TRANSMISSION INTERFACE:

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



B0480 DIMES CYLINDER/VALVE ASSEMBLIES

A complete cylinder/valve assembly. Includes:

- π marked seamless steel cylinder in choice of sizes
- B0480 cylinder valve with DIMES
- Protection cap

KEY FEATURES

- Improves productivity: cylinder/valves arrive pre-assembled
- Compliant with TPED directive
- Choice of filled or unfilled cylinders

π



	2 Kg.	5 Kg.	10 Kg.	20 Kg.	30 Kg.	50 Kg.
Product code unfilled	B04805001	B04805002	B04805003	B04805004	B04805005	B4805006
Product code filled	B04805501	B04805502	B04805503	B04805504	B04805505	B4805506
Max. working pressure	250 bar	250 bar	250 bar	250 bar	250 bar	250 bar
Total length	629 mm	725 mm	1220 mm	1186 mm	1653 mm	1671 mm
Diameter	Ø 108 mm	Ø 140 mm	Ø 140 mm	Ø 204 mm	Ø 204 mm	Ø 267 mm
Guard material	Plastic	Plastic	Plastic	Plastic	Steel	Steel

SERIES B0480 VALVES FOR CO2

Solenoid-actuated cylinder valves for fire suppression systems.



On request

KEY FEATURES

- Available in total discharge version
- Requires actuator device (see page 16)
- Special connections available on request
- ATEX-approved versions available on demand
ATEX versions may not be used with electromagnetic actuator



Burst disc pressure
190 bar



Burst disc pressure
225 bar



Burst disc pressure
250 bar

SPECIFICATIONS

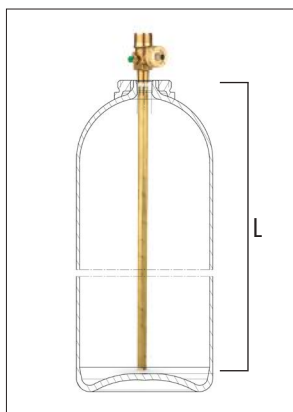
Product code	B04800111	B04800113	B04800110
Discharge type	Total	Total	Total
Max. working pressure	250 bar	250 bar	250 bar
Orifice size	Ø 12 mm	Ø 12 mm	Ø 12 mm
Inlet connection	25E EN-629-1	25E EN-629-1	25E EN-629-1
Outlet connection	W21,8x1/14" DIN 477	W21,8x1/14" DIN 477	W21,8x1/14" DIN 477
Actuator connection	M42 x 1,5	M42 x 1,5	M42 x 1,5
Dip tube connection	M10 x 0,75	M10 x 0,75	M10 x 0,75
Burst disc pressure	190 bar	225 bar	250 bar
Valve body	Brass	Brass	Brass

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

B0480 DIMES VALVES

Cylinder valves + sensor tube assembly for use with the DIMES digital measurement system.

CE¹ π



Custom lengths available on request. Before ordering, please provide technical drawing of your cylinder to verify correct sensor tube length.

KEY FEATURES

- Improves productivity: No need to weigh cylinders
- Digital contents measurement more accurate than weighing
- For use with DIMES connectors and accessories (page 15)
- Compliant with CE norms
- Sensor tube is pre-cut to fit the cylinder length



	10 Kg. (tall)	20 Kg.	30 Kg.	50Kg.
Product code	B04804506	B04804507	B04804508	B04804514
Fits cylinder length (L)	1002 mm	946 mm	1406 mm	1382 mm
Discharge type	Total	Total	Total	Total
Max. working pressure	250 bar	250 bar	250 bar	250 bar
Inlet connection	25E EN-629-1	25E EN-629-1	25E EN-629-1	25E EN-629-1
Outlet connection	W21,8x1/14" DIN 477	W21,8x1/14" DIN 477	W21,8x1/14" DIN 477	W21,8x1/14" DIN 477
Actuator connection	M16 x 1,5	M16 x 1,5	M16 x 1,5	M16 x 1,5
Burst disc pressure	250 bar	250 bar	250 bar	250 bar
Body material	Brass	Brass	Brass	Brass

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

DIMES CALIBRATION UNIT

Digital display and calibration device for DIMES digital measurement system

See p.10 for details



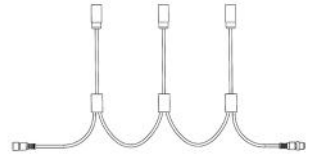
Product code | B07850200

KEY FEATURES

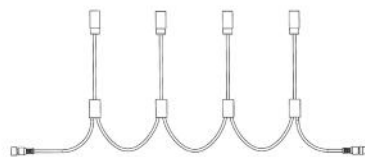
- Calibrates valve to cylinder and saves data via a built-in microchip
- Digital display can also be used to monitor system

DIMES CONNECTOR CABLES

To connect the DIMES valve to a DIMES Alarm box



	SINGLE CYLINDER	TWO CYLINDERS	THREE CYLINDERS
Product code	029900088	029900079	029900080
Pins	8-pin	8-pin	8-pin
Cable length	2000 mm	500 mm between cylinder	500 mm between cylinder



	FOUR CYLINDERS	END CONNECTOR	CONTROL BOX CABLE
Product code	029900081	029900083	029900089
Pins	8-pin	4-pin	4-pin
Cable length	500 mm between cylinder	-	2000 mm

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



WITH BLOCKING DEVICE.

To temporarily unarm the system during maintenance



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.



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



Safety cap included



Screws into the base of B04425XXX electromagnetic release device

MONITORING SWITCH

Monitors that the actuator is properly in place to actuate the system

Connects to the alarm box

Mandatory according to NFPA 2001 Standard on Clean Agent Extinguishing systems – 2015 edition – (applicable for CO₂ system)

KEY FEATURES

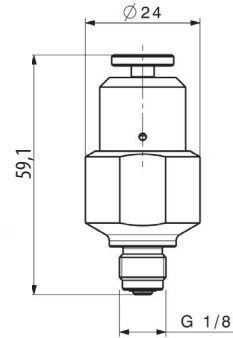
- Compact design: remains in the cylinder diameter
- Easy installation: simply clamps around the valve base
- Retrofit of existing installations possible



Product code	029905200
Description	Mounted on B0480 valve

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

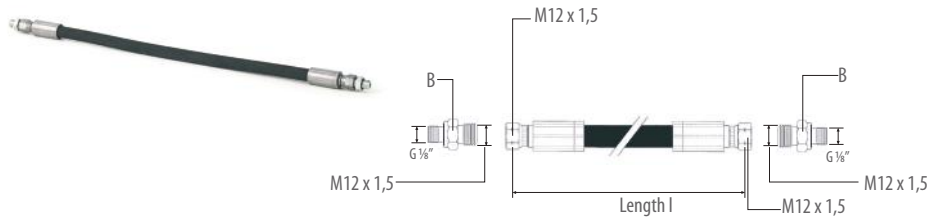
Hose to connect multiple cylinders in a series.

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



Adapter must be ordered separately. 2 per hose.

STRAIGHT PILOT HOSE FOR B0480



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

	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 / G 1/8	

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

DISCHARGE HOSES

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



DN 12 90° ELBOW

When no regulator is used



Product code	B06920226
Working pressure	380 bar
Burst pressure	1520 bar
Temperature range	-40°C to 100°C
Torque	38-42 Nm
Material	Synthetic rubber oil resistant
Norm	EN 853 2 SN
Valve connection (inlet)	W 21,8 x 1/4" DIN 477
To manifold connection (outlet)	G 3/4"
Bending radius	130 mm
Length	450 mm

CHECK VALVE

Prevents backflow into the cylinder.

Required for each hose attachment to the discharge manifold.



Product code	B04600008
Max working pressure	360 bar
Gases	IG 01, IG 55, IG 100, IG 541, CO ₂
Material	Brass
Hose connection	G 3/4"
Manifold connection	R1"

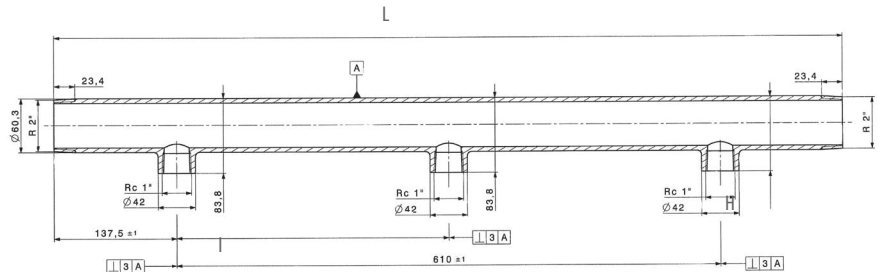
1 Compliant with the Construction Products Regulation (CPR) V3 Oct. 2014

MANIFOLD FOR CO₂ – 1 ROW

Manifolds to connect from 2 to 5 cylinders.
Single row configuration.



Max working pressure: 100 bar



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

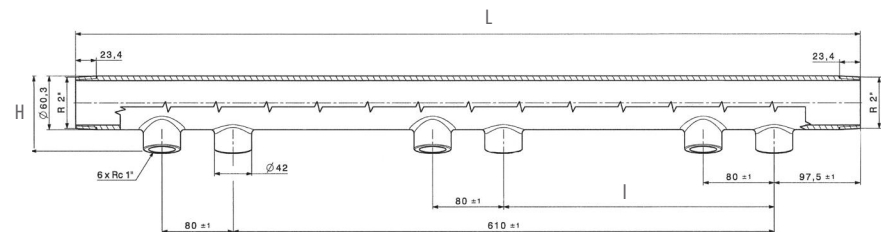
Working pressure	Max 100 bar	Gases	IG 01, IG 55, IG 100, IG 541, CO ₂	Connection	Rc1"
Test pressure	150 bar	Surface	Hot dip galvanized steel	Outlet Connection	R2"

MANIFOLD FOR CO₂ – 2 ROWS

Manifolds to connect from 4 to 10 cylinders.
Double row configuration.



Max working pressure: 100 bar



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, CO ₂	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 & FLOW DETECTOR SWITCH

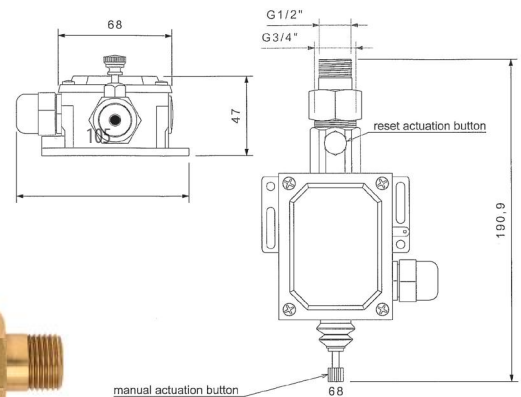
Used to send a signal when the system is discharging.

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

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

ELECTRIC 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
- IP 65



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"
DN	25	40	50	65	80
Unit nominal pressure (@20°C)	300 bar	300 bar	300 bar	300 bar	300 bar
Voltage	24 V DC	24 V DC	24 V DC	24 V DC	24 V DC
Consumption at max. torque	914 mA/22W	1491 mA/36W	1491 mA/36W	1428 mA/34W	1428 mA/34W
Operating time 90°	12 sec	12 sec	12 sec	16 sec	16 sec
Duty rate	75%	75%	75%	75%	75%
Temperature range carbon steel	-20° C to 100° C	-20° C to 100° C	-20° C to 100° C	-20° C to 100° C	-20° C to 100° C
Temperature range stainless steel	-30° C to 100° C	-30° C to 100° C	-30° C to 100° C	-30° C to 100° C	-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	POM (greased), NBR	POM (greased), NBR	POM (greased), NBR	POM (greased), NBR
Length	207 mm	196mm	200mm	225 mm	204 mm
Height	292 mm	323 mm	329 mm	440,5 mm	456 mm
Width	110 mm	116 mm	122 mm	187 mm	241 mm
Pipe Connector length	168 mm	167 mm	175 mm	212 mm	239 mm

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

PNEUMATIC DIRECTIONAL VALVE

Pneumatic or manual actuation

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

Includes valve + bracket + pneumatic actuator + manual wrench

Permits discharge only in the zone with the fire



KEY FEATURES

- Choice of 5 diameters: 1"/1,5"/2"/2,5"/3"
- 2-way ball valve
- User-defined installation position and flow-direction
- Stainless steel ball valve with steel housing
- Status indication
- IP 67



Product code - Stainless steel	B05511050	B05511150	B05511250	B05511350	B05511450
Size	1"	1,5"	2"	2,5"	3"
DN	25	40	50	65	80
Unit nominal pressure (@20°C)	140 bar	140 bar	140 bar	140 bar	140 bar
Actuation pressure	8 bar +/- 2 bar	8 bar +/- 2 bar	8 bar +/- 2 bar	8 bar +/- 2 bar	8 bar +/- 2 bar
Actuation medium	N ₂	N ₂	N ₂	N ₂	N ₂
Pilot pressure	6-10 bar	6-10 bar	6-10 bar	6-10 bar	6-10 bar
Temperature range stainless steel	-20° C to 50° C	-20° C to 50° C	-20° C to 50° C	-20° C to 50° C	-20° C to 50° C
Weight	7 kg	12 kg	14 kg	70 kg	88 kg
Seal material	POM (greased), NBR	POM (greased), NBR	POM (greased), NBR	POM (greased), NBR	POM (greased), NBR
Length	209 mm	221mm	221mm	298 mm	298 mm
Height	371,5 mm	433 mm	447 mm	583,5 mm	600 mm
Width	110,5 mm	120 mm	120 mm	137 mm	137 mm
Pipe Connector length	113 mm	130 mm	140 mm	220 mm	226 mm

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

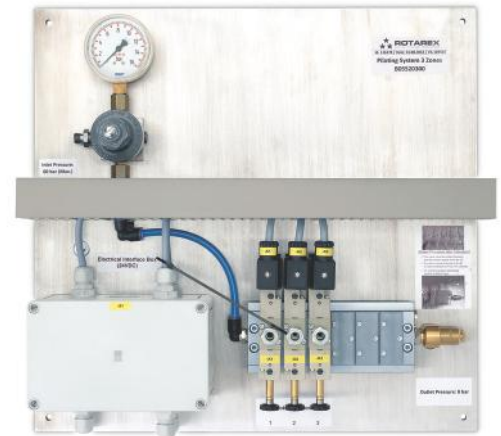
CONTROL PANEL FOR PNEUMATIC DIRECTIONAL VALVES

Wall-mounted switching panel to control directional valve position. Sends a signal to open the directional valve in the zone with a fire

KEY FEATURES

- Available in multiple versions from 2 to 15 zone protection

Protection Zones	Product code
2	B05520200
3	B05520300
4	B05520400
5	B05520500
6	B05520600
7	B05520700
8	B05520800
9	B05520900
10	B05521000
11	B05521100
12	B05521200
13	B05521300
14	B05521400
15	B05521500



SPECIFICATIONS

Connection thread	G¼"	Outlet operating pressure	8 bar	Inlet connection for hi-flex hose	¼"
Maximum inlet pressure	207 bar	Operating temperature	-34°C to 60°C	Nominal voltage	24 VDC

BLOCKING DEVICE FOR PNEUMATIC DIRECTIONAL VALVES

To avoid unintentional operation of directional valves during maintenance.

Mandatory for VdS installations

VdS

KEY FEATURES

- Easily installs between control panel and directional valve
- Can be locked with a padlock to prevent unintentional
- Two easy-to-read switch positions (open or closed)
- One for each directional valve



With padlock

Product code	B05512000
Max operating pressure	10 bar
Material	24HA
Outlet thread	G ½"
Voltage	G ¼" / DN6 24 VDC

DISCHARGE NOZZLES | PRE-ASSEMBLED

Pre-bored and fully assembled discharge nozzles for CO₂ systems

For faster and easier installation

VdS

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

CYLINDER MOUNTING BRACKETS - SINGLE ROW

Wall mounting rail, cylinder clamps and end caps parts to mount 20kg -30kg - 50kg 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 can 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

Fits cylinder size	Product code
20kg - 30kg	024900424
50kg	024900321

3

END CAP FOR MOUNTING RAIL AND BRACKET

Product code
024900322

CYLINDER MOUNTING BRACKETS - DOUBLE ROW

Brackets to secure a double-row of 20kg -30kg or 50kg 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 bolt & nuts kit for 2 cylinders configurations and 2 kits for 3 cylinders.

1

WALL MOUNTING RAIL

2

RAIL BRACKET

3

MIDDLE BRACKET

4

OUTER BRACKET

5

BOLTS & NUTS KIT

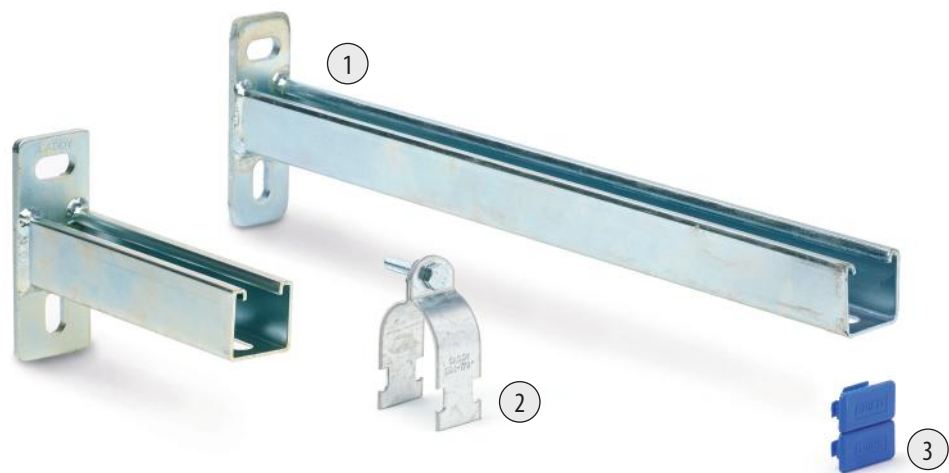
Product code		Product code		Product code		Product code		Product code	
2 cylinders	024900312	2 cylinders	024900323	2 cylinders	024900324	2 cylinders	024900325	Mounting kit	024900329
3 cylinders	024900313	3 cylinders	024900326	3 cylinders	024900327	3 cylinders	024900328		

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

B0439 CYLINDER/VALVE ASSEMBLIES

A complete cylinder/valve assembly.

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

Includes:

- π marked steel cylinder in choice of sizes
- B0439 cylinder valve
- Plastic protection cap

KEY FEATURES

- Improves productivity: cylinder/valves arrive pre-assembled and ready-to-fill
- Compliant with TPED directive
- Choice of filled or unfilled cylinders
- Equipped with the B04390030 valve (see p.28)

π



	2 Kg.	5 Kg.	10 Kg.
Product code unfilled	B04394001	B04394000	B04394002
Product code filled	B04394501	B04394500	B04394502
Max. working pressure	250 bar	250 bar	250 bar
Operating temperature	-20°C to 60°C	-20°C to 60°C	-20°C to 60°C
Length w/ cap	626 mm	725 mm	732 mm
Diameter	Ø 108 mm	Ø 140 mm	Ø 204 mm
Discharge type	Total	Total	Total
Orifice size	Ø 7 mm	Ø 7 mm	Ø 7 mm
Inlet connection	25E EN-629-1	25E EN-629-1	25E EN-629-1
Outlet connection	W21,8x1/14" DIN 477	W21,8x1/14" DIN 477	W21,8x1/14" DIN 477
Dip tube connection	M 10 x 0,75	M 10 x 0,75	M 10 x 0,75
Operating voltage	24 V DC	24 V DC	24 V DC
Power consumption	10 Watt	10 Watt	10 Watt
Burst disc pressure	250 bar	250 bar	250 bar
Valve body	Brass	Brass	Brass

B0439 DIMES CYLINDER/VALVE ASSEMBLIES

A complete cylinder/valve assembly.

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

Includes:

- π marked seamless steel cylinder in choice of sizes
- B0439 cylinder valve with DIMES
- Protection cap

KEY FEATURES

- Improves productivity: cylinder/valves arrive pre-assembled
- DIMES system eliminates the need to weigh cylinders (see page 10)
- Compliant with TPED directive
- Choice of filled or unfilled cylinders

π



	5 Kg.	10 Kg.	30 Kg.
Product code unfilled	B04395004	B04395000	B04395001
Product code filled	B04395504	B04395500	B04395501
Max. working pressure	250 bar	250 bar	250 bar
Operating temperature	-20°C to 60°C	-20°C to 60°C	-20°C to 60°C
Length w/ cap	725 mm	732 mm	1642 mm
Diameter	Ø 140 mm	Ø 204 mm	Ø 204 mm
Guard materia	plastic	plastic	steel
Discharge type	Total	Total	Total
Orifice size	Ø 7 mm	Ø 7 mm	Ø 7 mm
Inlet connection	25E EN-629-1	25E EN-629-1	25E EN-629-1
Outlet connection	W21,8x1/14" DIN 477	W21,8x1/14" DIN 477	W21,8x1/14" DIN 477
Dip tube connection	M 10 x 0,75	M 10 x 0,75	M 10 x 0,75
Operating voltage	24 V DC	24 V DC	24 V DC
Power consumption	10 Watt	10 Watt	10 Watt
Burst disc pressure	250 bar	250 bar	250 bar
Valve body	Brass	Brass	Brass

SERIES B0439 VALVES FOR CO₂

Cylinder valves with integrated solenoid actuation for 60 bar CO₂ fire suppression systems.

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

KEY FEATURES

- Available in total discharge or intermittent discharge versions
- ATEX version available
- Special connections available on request
- Other burst-disc pressures available on request

π



Total Discharge

Intermittent

Total Discharge ATEX approved

Product code	Total Discharge		Intermittent		Total Discharge ATEX	
	B04390030	B04390031	B04390503	B04390505	B04390046	B04390051
Discharge type	Total	Total	Intermittent	Intermittent	Total	Total
Max. working pressure	250 bar	250 bar	250 bar	250 bar	250 bar	250 bar
Orifice size	Ø 7 mm	Ø 7 mm	Ø 7 mm	Ø 7 mm	Ø 7 mm	Ø 7 mm
Inlet connection	25E EN-629-1	25E EN-629-1	25E EN-629-1	25E EN-629-1	25E EN-629-1	25E EN-629-1
Outlet connection	W21,8x1/14" DIN 477	W21,8x1/14" DIN 477	W21,8x1/14" DIN 477	W21,8x1/14" DIN 477	W21,8x1/14" DIN 477	W21,8x1/14" DIN 477
Dip tube connection	M 10 x 0,75	M 10 x 0,75	M 10 x 0,75	M 10 x 0,75	M 10 x 0,75	M 10 x 0,75
Operating voltage	24 V DC	24 V DC	24 V DC	24 V DC	24 V DC	24 V DC
Power consumption	10 Watt	10 Watt	10 Watt	10 Watt	11,4 Watt	11,4 Watt
Burst disc pressure	250 bar	190 bar	250 bar	190 bar	190 bar	250 bar
Valve body	Brass	Brass	Brass	Brass	Brass	Brass

SERIES B0430 VALVES FOR CO2

Manual or Pneumatically-actuated valve for CO2 fire suppression systems.

Ideal for marine applications.

KEY FEATURES

- Special connections available on request
- Other burst-disc pressures available on request

Π



Lever available, 029740001



B0430 valve



Manual actuator lever

Product code	B04300000	029740001
Discharge type	Total	-
Max. working pressure	250 bar	-
Orifice size	Ø 12 mm	-
Inlet connection	25E EN-629-1	-
Outlet connection	W21,8x1/14" DIN 477	-
Actuator connection	G 3/8"	M10
Dip tube connection	M16 x 1	-
Burst disc pressure	250 bar	-
Valve Body	Brass	Polyamide / brass

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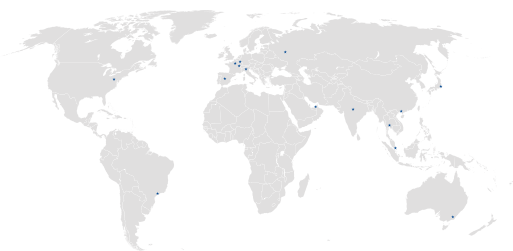
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