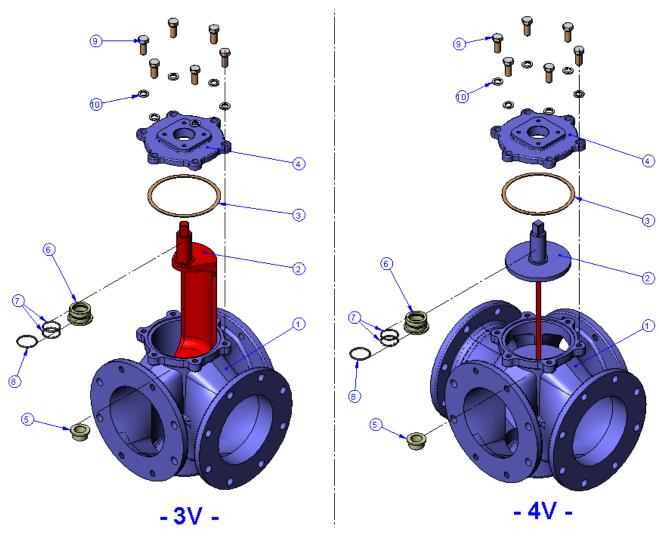
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STANDARD MANUFACTURING MATERIALS (OPTIONS 1 AND 2)



	DESCRIPTION	GG25	CF8M
1	BODY	GG25	CF8M
2	DISTRIBUTOR	AISI 304	CF8M / AISI-316
3	BED JOINT	CARDBOARD	CARDBOARD
4	COVER	GG25	CF8M
5	LOWER SOCKET	RCH 1000	RCH 1000
6	UPPER SOCKET	RCH 1000	RCH 1000
7	INSIDE O-RING	NITRILE	NITRILE
8	OUTSIDE O-RING	NITRILE	NITRILE
9	SCREW	5.6 ZINC	A-4
10	WASHER	5.6 ZINC	A-4

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DESIGN FEATURES IN DETAIL

1) BODY

Flanged one piece mono block cast body with a bolted cap at the top manufactured in the same material of the body. The standard manufacturing sizes with cast construction are from DN50 up to DN300. On bigger sizes the manufacturing of the body is by welding (fabricated) with reinforcement ribs to provide the necessary strength and withstand the maximum rated pressure.

The internal design of the valve avoids any build up of solids on the sealing area.

The standard manufacturing materials are GG25 cast iron and CF8M stainless steel. Other materials like GGG50 nodular cast iron, A216WCB carbon steel and stainless steel alloys (AISI316Ti, Duplex, 254SMO, Uranus B6) under request. Cast iron or steel valves are painted as standard with 80 microns anticorrosive protection of EPOXY (colour RAL 5015). Other anticorrosive protections are available under request.

2) PLUG

The inside plug of the valve is manufactured with cast construction and it is machined to provide a proper contact surface with the body.

The standard manufacturing materials are CF8 stainless steel for cast iron body valve and CF8M stainless steel for CF8M stainless steel body valve. Other materials or combinations can be supplied under request.

As standard, the plug is guided by a nylon gasket or bearing located in the bottom of the body that avoids the jamming of the plug inside of the body and allows a free rotation.

Depending on the working media and the customer request the material of this bearing can be changed to PTFE, bronze or other alternative materials.

3) SEAT

The seat design of the 3V and 4V valves metal to metal and there is not any soft sealing between the body and the plug. That means that the valve does not provide 100% shut off when it is fully closed.

The estimated leakage of the metal / metal seat of this valve (considering water as working media) is around 1.5% of the flow.

7) ACTUATORS

Several actuators are available for operation of the 3V and 4V valves, as follows:

- Manual gear box
- Manual lever
- Pneumatic double acting actuator
- Pneumatic single acting actuator
- Electric actuator

ACCESSORIES

Several types of accessories are available, such as:

Mechanical Limit Switches, Inductive Switches and Positioners

Limit switches for punctual valve position indication and positioners for continuous valve position indication.

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Solenoid valves

For air distribution into pneumatic actuators

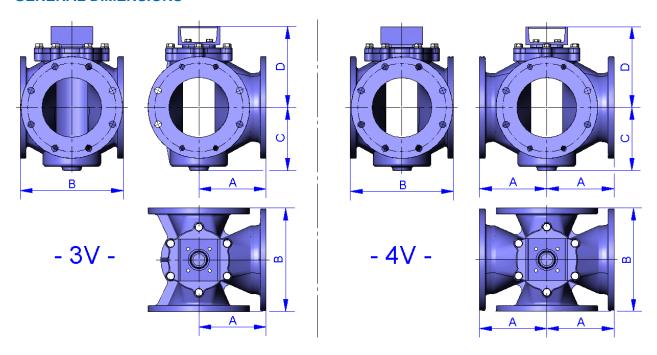
Connection electrical boxes, electrical wiring and pneumatic piping

Completely assembled units with all accessories can be supplied.

Mechanical locking device

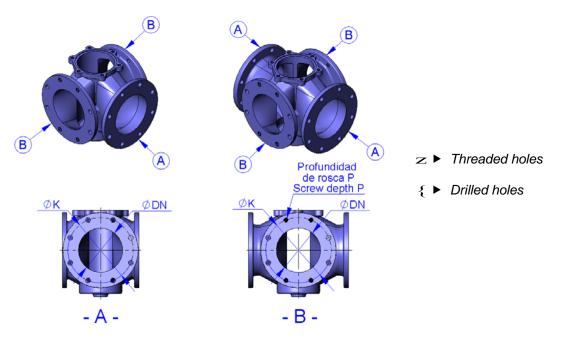
Allows the locking of the valve in a fixed position during long periods

GENERAL DIMENSIONS



DN	Α	В	С	D	
80	137,5	200	128	193	
100	162.5	250	128	193	Dimensions and drawings
125	200	290	145	210	without obligation. CMO S.L.
150	200	290	171	231	reservs, at any moment, the
200	225	345	210	269	right of their modification at
250	272.5	415	257	328	its own discretion and
300	287.5	470	294	358	without any previous notice.
350	317.5	530	343	404	
400	360	610	375	449	

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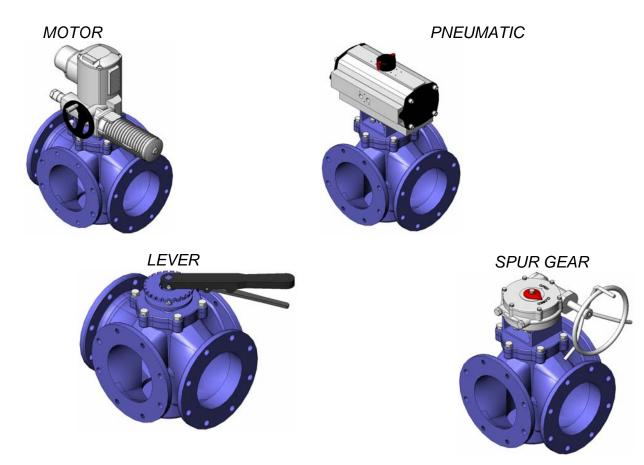


	$\Delta \mathbf{P}$	BORING JOINT											
ND Kg/Cm²		DIN PN-10					ANSI-150						
	Kg/Cm ²	Α		В	М	P Ø	~u	Α	В		R	_	~! <i>t</i>
		{	Z	{	Métrico		ØK	{	Z	{	UNC	Р	ØK
80	10	8	-	8	M 16	18	160	4	-	4	5/8"	18	152,4
100	10	8	-	8	M 16	18	180	8	-	8	5/8"	18	190,5
125	10	8	-	8	M 16	18	210	8	-	8	3/4"	18	215,9
150	8	8	4	4	M 20	20	240	8	4	4	3/4"	20	241,3
200	7	8	4	4	M 20	20	295	8	4	4	3/4"	20	298,4
250	5	12	4	8	M 20	22	350	12	4	8	7/8"	22	361,9
300	5	12	4	8	M 20	22	400	12	4	8	7/8"	22	431,8
350	4	16	8	8	M 20	22	460	12	4	8	1"	22	476,2
400	4	16	8	8	M 24	22	515	16	8	8	1"	22	539,7
NOTE: Bigger sizes under request.													

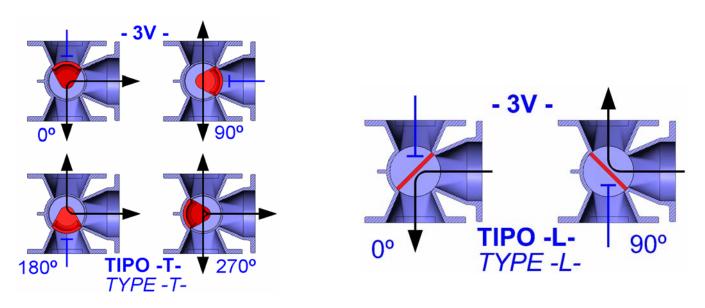
NOTE: Request about dimensions and actuators.

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ACTUATORS



DISTRIBUTION OPTIONS



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