



PRESSURE REDUCING VALVES WITH PISTON PN 25 NICKEL-PLATED WITH COMPENSATION SYSTEM AND STAINLESS STEEL SEAT

CONNECTIONS:

FEMALE-FEMALE



DESCRIPTION

The piston-type pressure reducing valve **PN 25** is an automatic valve that reduces and stabilizes the pressure of a fluid in a water distribution conduit according to a preset value. The use of this hydraulic device is necessary if the maximum possible pressure at any point in the water distribution system can reach or exceed the relative maximum allowable working pressure, or if the installation is equipped with devices that can be operated exclusively at pressure levels lower than the one available in the system. The piston-type pressure reducing valve is designed for use in either internal or external water distribution systems, where the water main pressure values do not surpass 25 bar. The structure and material of the internal piston guarantee rigidity, strength and an enhanced regulation precision thanks to the compensated seat. The o-rings, in antistick-slip perox EPDM elastomer with a low coefficient of friction, are durable and require only limited maintenance interventions. The internal finish of the body and the broader dimensions of the passage allow high performances even with a minimal water draw. The piston-type pressure reducing valve **PN 25** is used in air conditioning plants, sanitary installations for water supply, irrigation systems, compressed air (not mixed oil) distribution systems, fire suppression piping (it should be borne in mind that local government standards for fire protection must always be observed), and sanitary installations for water supply in buildings (according to EN 806-2 and EN 805). This product adheres to the standards set forth by the European health authorities for the transport of alimentary fluids and potable water.

ATTENTION: THE PRESSURE GAUGE CONNECTABLE TO THE PRESSURE REDUCING VALVE INDICATES THE ALREADY-REDUCED PRESSURE (Ps).

TECHNICAL FEATURES

Pressure:	
maximum allowable working pressure (PN)	25 bar
outlet setting (Ps)	from 1 to 5,5 bar
Ps value set during testing	3 bar
outlet Ps set tolerance on varying inlet pressure	± 10 %
Temperature:	
working temperature(Ts)	0°C (excluding ice) ÷ 130°C
Compatible fluids:	
water	
glycolate solutions	glycol 50%
compressed air	not mixed oil
Threading:	
pipeline connection	threads according to ISO 228/1
gauge connection	threads according to EN 10226-Rp1/4"
Tests and inspections:	in compliance with the limits defined by EN 1567
Certifications:	
ACS	
Kitemark	
VÜPS	
	*code 0233.115/0233.120/0233.125

DESIGN

Body dimensions 1/2" ÷ 2"	brass CW617N
dimensions 2"1/2 ÷ 4"	brass CC770S
Bonnets	brass CW617N
Piston dimensions 1/2"÷2" (light model)	polyamide reinforced with glass fiber and brass CW617N
dimensions 2"÷3" (light model)	polyamide reinforced with glass fiber and stainless steel
dimensions 3"÷4"	brass CW617N and stainless steel
Other components	brass CW617N and CW614N
Seat gaskets	perox EPDM rubber
Dynamic o-ring washers	perox EPDM rubber
Static o-ring washers and sealing gaskets	perox EPDM rubber, NBR and asbestos free fiber
Calibration spring	galvanized steel EN 10270 - 1 SM
Nickel plating	electrodeposited coating EN 1456
Insert seat	stainless steel EN 10088 - 1.4305

PRODUCT CODES

0233.115	1/2"	f/f nickel plated	0233.150	2"	f/f nickel plated
0233.120	3/4"	f/f nickel plated	0233.166	2"1/2	f/f nickel plated
0233.125	1"	f/f nickel plated	0233.178	3"	f/f nickel plated light model
0233.133	1"1/4	f/f nickel plated	0233.179	3"	f/f nickel plated
0233.140	1"1/2	f/f nickel plated light model	0233.180	3"	f/f yellow
0233.142	1"1/2	f/f nickel plated	0233.199	4"	f/f nickel plated
0233.148	2"	f/f nickel plated light model	0233.200	4"	f/f yellow



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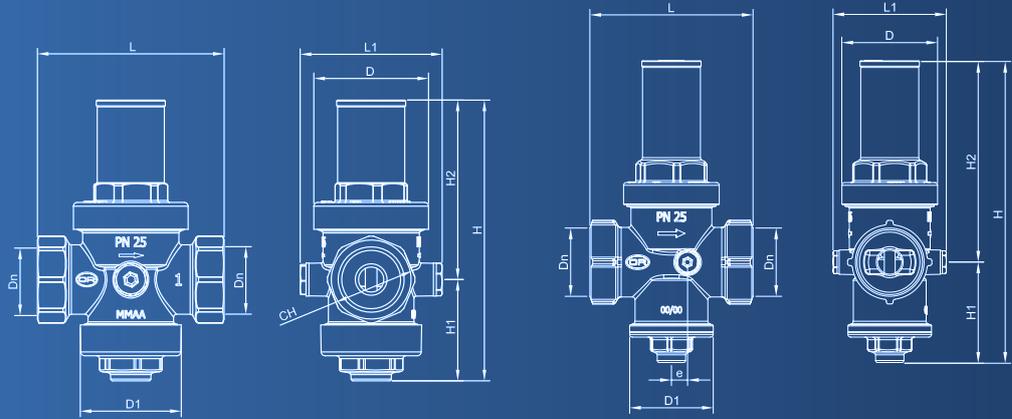
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0233 • 1/2" ÷ 4"

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CONNECTIONS:

FEMALE-FEMALE



1/2" ÷ 1"1/4

1"1/2 ÷ 4"

FEATURES

Dn	D	D1	L	L1	H	H1	H2	e	CH
1/2"	Ø48	Ø44	69	63	114	42	72	-	es. 26
3/4"	Ø48	Ø44	82	63	114	42	72	-	es. 31
1"	Ø59	Ø52	96	73	146	53	93	-	ot. 43
1"1/4	Ø59	Ø52	100	73	152	57	95	-	ot. 53
■ 1"1/2	Ø59	Ø48	91	77	148	48	100	8	ot. 56
1"1/2	Ø71	Ø62	121	84	218	68	150	12	ot. 59
■ 2"	Ø59	Ø48	97	81	150	48	102	8	ot. 68
2"	Ø71	Ø62	121	84	218	68	150	12	ot. 70
2"1/2	Ø71	Ø62	131	94	230	76	154	-	-
■ 3"	Ø71	Ø62	133	84	224	71	153	-	-
3"	Ø110	Ø85	197	127	312	91	221	-	-
4"	Ø110	Ø85	197	127	312	91	221	-	-

■ LIGHT MODEL

PRESSURE REDUCING VALVE CODE 0233 • 1/2" ÷ 4"

