

PresCal™ HP

Heavy-duty piston-type pressure reducing valves



Low range 5360x4A series

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Application

The PresCal™ HP 536A series pressure reducing valve is a high performance true piston-type PRV that can withstand the punishing conditions of water hammer and very high pressure reduction and control. Low range models 536x4A, comply with ASSE 1003, have a standard adjustment range of 10 to 90 psi and the all-metal design makes them ideal for outdoor locations and irrigation pressure control.

Typical Specification

Furnish and install on the plans and described herein, a PresCal HP heavy-duty piston-type pressure reducing valve (PRV) as provided by Caleffi. Each PRV must be designed with DZR low-lead cast brass body and valve plug, brass spring case, adjusting screw; stainless steel piston, spring, control spindle, seat, strainer and moving parts. Strainer screen mesh .51 mm (size 1/2 to 1 inch), .65 mm mesh (size 1/4 - 2 inch) and PTFE piston rings, peroxide-cured EPDM seals. Max. pressure rating, see * below and 180°F max. working temperature. Dual-pressure gauge connections, provided with one 0 - 100 psi/ 0 - 700 kPa gauge. Each PRV shall be a Caleffi PresCal HP Low range 5360x4A series or approved equal. (See product instructions for specific installation information.)

NSF/ANSI/CAN 61

NSF/ANSI/CAN 372

Technical specifications

Materials

Body:	DZR low-lead cast brass CR EN 1982 CC768S
Spring case:	brass EN 12165 CW617N
Pressure adjusting screw:	brass EN 12165 CW617N
Closing cap:	brass EN 12165 CW617N
Hexagonal allen key for setting pressure:	10 mm
Control spindle:	stainless steel EN 10088-3 (AISI 303)
Spring:	stainless steel EN 10270-3 (AISI 302)
Piston:	stainless steel EN 10088-3 (AISI 303)
Piston rings:	PTFE
Moving parts:	stainless steel EN 10088-3 (AISI 303)
Seals:	peroxide-cured EPDM
Strainer:	stainless steel EN 10088-2 (AISI 304)
Seat:	stainless steel EN 10088-3 (AISI 303)
Valve plug:	DZR low-lead brass CR EN 12165 CW724R
Pressure gauge port plug:	brass EN 12165 CW617N

Performance

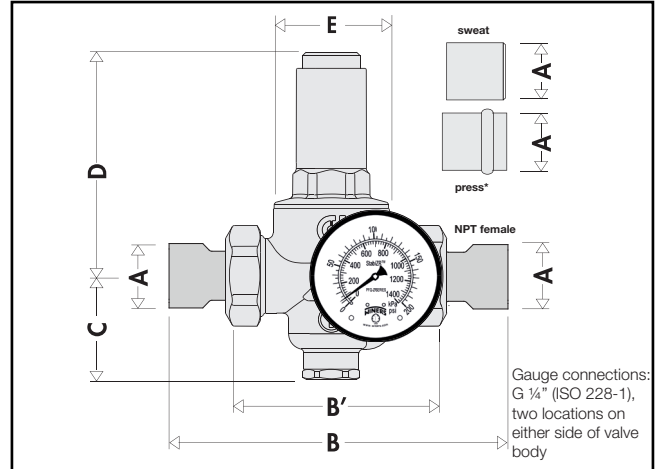
Suitable fluids:	water
*Max. pressure upstream:	300 psi (2,068 kPa)
200 psi (13 bar) max. for 1/4" & 1/2" press connection models only	
Downstream pressure setting range:	10 - 900 psi (70 - 600 kPa)
Factory setting:	45 psi (310 kPa)
Maximum working temperature:	180°F (82°C)
Max. flow(gpm):	size 1/2" (7.3), 3/4" (12.5), 1" (19), 1 1/4" (34), 1 1/2" (44) & 2" (70)
Pressure gauge scale:	0 - 100 psi (0 - 700 kPa)
Filter mesh size (diameter):	size 1/2" to 1": 0.2 (0.51 mm) size 1 1/4" to 2": 0.3 (0.65 mm)

Certifications

ICC-ES certified to ASSE 1003, CSA B356 (R2015). Complies with NSF/ANSI/CAN 61 (180°F/82°C Commercial Hot), as certified by ICC-ES, file PMG-1356. Complies with NSF/ANSI/CAN 372, as certified by ICC-ES, file PMG-1360.

Main connections:	1/2", 3/4", 1", 1 1/4", & 1 1/2" NPT female and sweat union 1/2", 3/4", 1", 1 1/4", & 1 1/2" press union
Dual pressure gauge connections:	1/4" straight female
Pressure gauge:	1/4" NPT male 1/4" straight male x 1/4" NPT adapter on pressure gauge

Dimensions



Code	A	B	B'	C	D	E	Wt. (lb.)
NPT Female threaded connections							
536044A 103	1/2"	5 1/2"	3"	2 1/8"	3 3/8"	2 1/8"	3.3
536054A 103	3/4"	6 1/4"	3 1/2"	2 1/8"	4 9/16"	2 1/8"	4.4
536064A 103	1"	6 7/8"	3 3/4"	2 1/8"	4 9/16"	2 1/8"	5.0
536074A 103	1 1/4"	7 7/8"	4 5/16"	2 1/2"	5 1/4"	2 1/2"	7.5
536084A 103	1 1/2"	8"	4 3/4"	2 1/2"	5 1/4"	2 1/2"	8.8
Press connections*							
536044A 106	1/2"	5 1/2"	3"	2 1/8"	3 3/8"	2 1/8"	3.3
536054A 106	3/4"	6 1/16"	3 1/2"	2 1/8"	4 9/16"	2 1/8"	4.4
536064A 106	1"	7 3/4"	3 3/4"	2 1/8"	4 9/16"	2 1/8"	5.0
536074A 106	1 1/4"	8 13/16"	4 5/16"	2 1/2"	5 1/4"	2 1/2"	7.5
536084A 106	1 1/2"	12 1/2"	4 3/4"	2 1/2"	5 1/4"	2 1/2"	8.8
Sweat connections							
536044A 109	1/2"	5 5/8"	3"	2 1/8"	3 3/8"	2 1/8"	3.3
536054A 109	3/4"	5 9/16"	3 1/2"	2 1/8"	4 9/16"	2 1/8"	4.4
536064A 109	1"	6 7/8"	3 3/4"	2 1/8"	4 9/16"	2 1/8"	5.0
536074A 109	1 1/4"	6 5/8"	4 5/16"	2 1/2"	5 1/4"	2 1/2"	7.5
536084A 109	1 1/2"	7 3/4"	4 3/4"	2 1/2"	5 1/4"	2 1/2"	8.8

*Lay lengths: size 1/2"- 3.5"; size 3/4"- 4.2"; size 1" - 5.75"; size 1 1/4"- 6.9"; size 1 1/2"- 9.7".

We reserve the right to change our products and their relevant technical data, contained in this publication, at any time and without prior notice. Contractors should request production drawings if prefabricating the system

Job name _____
 Job location _____
 Engineer _____
 Mechanical contractor _____
 Contractor's P.O. No. _____
 Representative _____

Size _____
 Quantity _____
 Approval _____
 Service _____
 Tag No. _____
 Notes _____