

300 Series

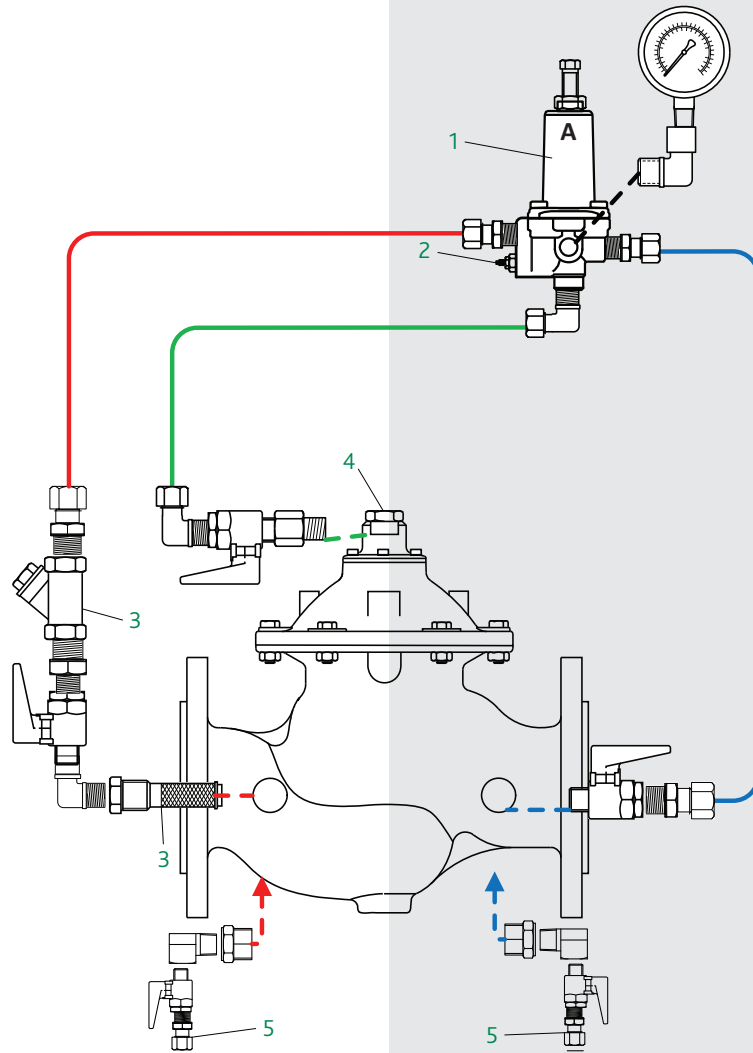
pressure sustaining valves



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300 Series pressure sustaining valves

Component Drawing - 40mm 3004016



Item	Component
1	68-510 Pressure sustaining pilot
2	Speed of control needle valve
3	Control loop filter
4	Control space air bleed
5	Tapping points for pressure logging

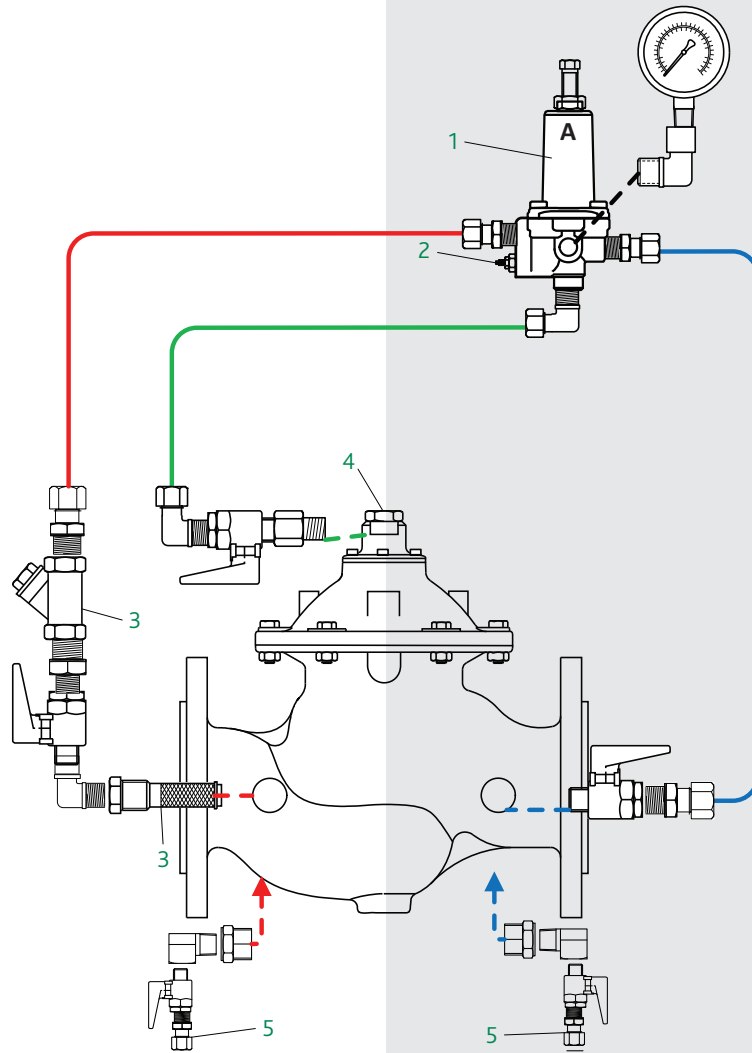
300 Series pressure sustaining valves

Technical Specification - 40mm 3004016

CONTROL VALVE	MODEL	30004016-PS68						
	TYPE	Globe, straight flow, diaphragm actuated disc type.						
	DESCRIPTION	An automatic, pilot controlled pressure sustaining valve. The valve will maintain a steady, predetermined pressure in the network, upstream of its location. If the pressure falls below the set-pressure, the valve closes to minimize the losses.						
	SIZE	1.5" 40mm						
	Kv/Cv	43 m ³ @ 1 bar			50 gpm @ 1psi			
	LENGTH	230mm						
	WEIGHT	12kg			26Lb			
SERVICE CONDITIONS	PRESSURE	0.5 – 16bar			7 – 230psi			
	FLOW	CONTINUOUS	0.5 - 25 m ³ /h		2 - 110 Gpm			
	TEMP	0 – 80°C			32 – 176°F			
	FLUID TYPE	Water			ENVIROMENT			
PARTS & MATERIALS	MAIN VALVE	BODY & COVER	Ductile Iron GGG50		SEAT	SST-304		
		PLUG	SST-304(ASTM A 351 CF8)		DIAP. DISC	SST-304(ASTM A 351 CF8)		
		TOP GUIDE	SST-316		BOTTOM GUIDE	SST-304(ASTM A 351 CF8)		
		STEM	SST-304(ASTM A 351 CF8)		DIAPHRAGM	Reinforced EPDM		
		SEALS	EPDM		SPRING	SST-302	BOLTS & NUTS	SST-316
		COATING	Fusion Bonded Epoxy		INDICATOR			
	PILOT VALVE	MODEL	68-510		BODY & COVER	Brass DZR		
		INTERNAL TRIM	Brass DZR		RUBBER PARTS	NBR		
	ACCESSORIES	CONTROL FILTER	¼" Self-Flushing Inline		SCREEN	SST-316	BODY	Ni Coated Brass
		CONTROL FILTER	½" Y-Body External		SCREEN	SST-316	BODY	SST-316
		ISOLATION BALL VALVE			BALL	SST-316	BODY	Ni Costed Brass
		FITTINGS	SST-316		TUBES	Reinforced PA		
NOTES	- Other construction materials and end connection standards are available upon request.							
	- The valve includes a unique air release mechanism for ease of commissioning.							
	- Each valve is hydrostatically tested at 160% of the rated pressure.							
	- Each valve is tested for proper operation on a dynamic flow test rig.							
-Unique LTP device – enable smooth regulation at near zero flow conditions without obstruction to the flow at high flow.								

300 Series pressure sustaining valves

Component Drawing - 50mm 3005016



Item	Component
1	68-510 Pressure sustaining pilot
2	Speed of control needle valve
3	Control loop filter
4	Control space air bleed
5	Tapping points for pressure logging

300 Series pressure sustaining valves

Technical Specification - 50mm 3005016

CONTROL VALVE	MODEL	30005016-PS68						
	TYPE	Globe, straight flow, diaphragm actuated disc type.						
	DESCRIPTION	An automatic, pilot controlled pressure sustaining valve. The valve will maintain a steady, predetermined pressure in the network, upstream of its location. If the pressure falls below the set-pressure, the valve closes to minimize the losses.						
	SIZE	2" 50mm						
	Kv/Cv	43 m ³ @ 1 bar					50 gpm @ 1psi	
	LENGTH	230mm						
	WEIGHT	12kg					26Lb	
SERVICE CONDITIONS	PRESSURE	0.5 – 16bar			7 – 230psi			
	FLOW	CONTINUOUS	0.5 - 40 m ³ /h		2 - 180 Gpm			
	TEMP	0 – 80°C			32 – 176°F			
	FLUID TYPE	Water			ENVIROMENT			
PARTS & CONDITIONS	MAIN VALVE	BODY & COVER	Ductile Iron GGG50		SEAT	SST-304		
		PLUG	SST-304(ASTM A 351 CF8)		DIAP. DISC	SST-304(ASTM A 351 CF8)		
		TOP GUIDE	SST-316		BOTTOM GUIDE	SST-304(ASTM A 351 CF8)		
		STEM	SST-304(ASTM A 351 CF8)		DIAPHRAGM	Reinforced EPDM		
		SEALS	EPDM		SPRING	SST-302	BOLTS & NUTS	SST-316
		COATING	Fusion Bonded Epoxy		INDICATOR			
	PILOT VALVE	MODEL	68-510		BODY & COVER		Brass DZR	
		INTERNAL TRIM	Brass DZR		RUBBER PARTS		NBR	
	ACCESSORIES	CONTROL FILTER	¼" Self-Flushing Inline		SCREEN	SST-316	BODY	Ni Coated Brass
		CONTROL FILTER	½" Y-Body External		SCREEN	SST-316	BODY	SST-316
		ISOLATION BALL VALVES			BALL	SST-316	BODY	Ni Costed Brass
FITTINGS		SST-316		TUBES	Reinforced PA			
NOTES	- Other construction materials and end connection standards are available upon request.							
	- The valve includes a unique air release mechanism for ease of commissioning.							
	- Each valve is hydrostatically tested at 160% of the rated pressure.							
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