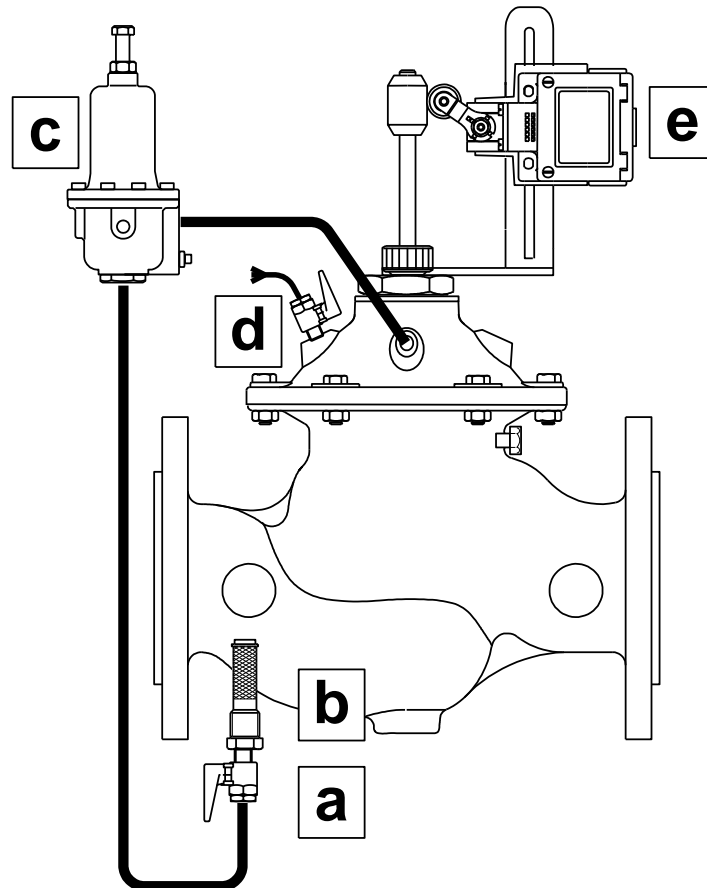


Excessive Pressure shut-off valve - Model 30-2-SSV



PARTS LIST

- a. 2-way cock ball valve.
- b. Self-flushing, inline, SST control filter.
- c. Pilot valve model CXPS (needle opened).
- d. Reset valve.
- e. Optional: limit switch assembly for electric indication (add suffix "\LS" to the valve code).

The standard valve contains an LTP® (*Linear Throttling Plug*) enabling stable regulation at low flow rate and low head losses at high flow rates.



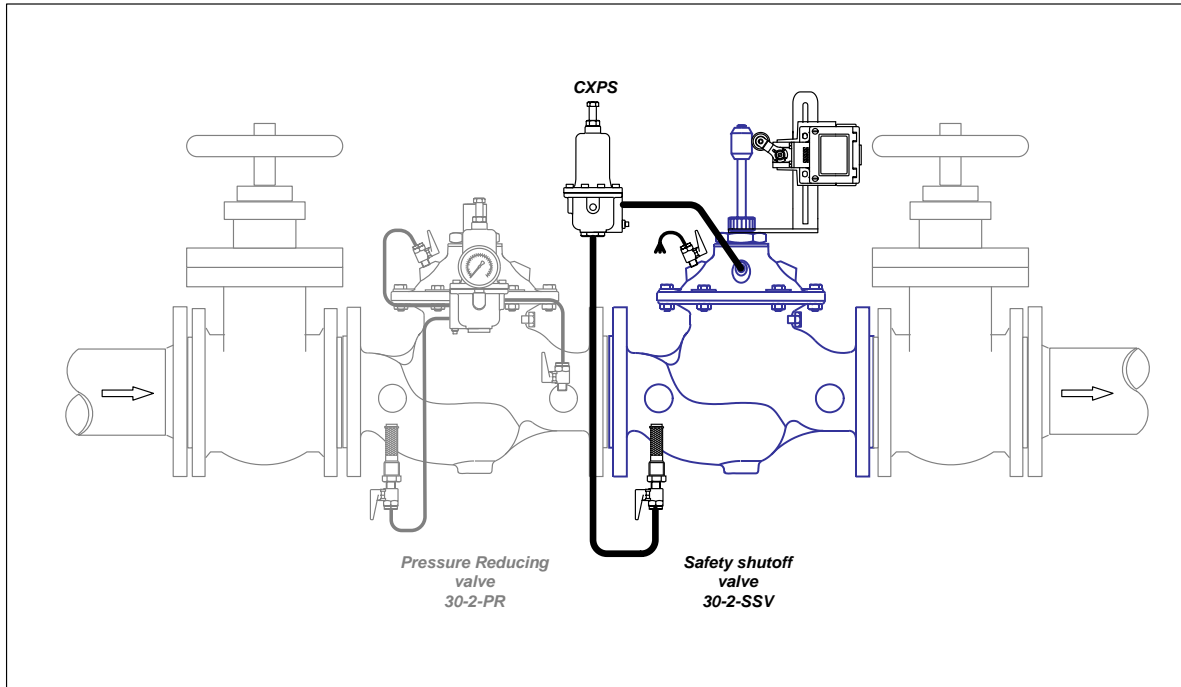
CONTROL VALVE TECHNICAL SPECIFICATIONS

CONTROL VALVE	1. Model	30-2-SSV		
	2. Type	Globe, straight flow, diaphragm actuated disc type.		
	3. Description	An automatic, pilot controlled safety valve. The valve will keep fully open in its "ready" position, as long as the upstream pressure is higher than the pilot valve pre-set value. If the pressure exceeds set-pressure, the valve closes. Resetting the valve back to its open position is enabled by manually opening the reset valve for a few seconds.		
	4. Size	2" [50 mm]		
	5. Kv	43 m ³ @ 1 bar (For a 3-way controlled fully open valve)		
	6. Length	280 mm		
	7. Weight	12 Kg.		
SERVICE CONDITIONS	8. Pressure	1 – 16 bar		
	9. Flow	Continuous: 0.5 –40 m ³ /h	Max. Intermittent: 60 m ³ /h	Max. Momentary: 110 m ³ /h
	10. Temp.	0 – 80° C		
	11. Fluid type	Water		
PARTS & MATERIALS	12. Main valve	Body & Cover: Ductile Iron		Plug: SST-304
		Seals: NBR		Seat: SST-304
		Diaphragm discs: SST-304		Diaphragm: EPDM
		Stem: SST-304		Spring: SST 302
		D. chamber separation: N/A		Indicator: SST-304 (optional with limit switch assembly)
	13. Pilot	Model: CXPS		
		Body & Cover: Brass		Plug, Seat & Spring: SST
		Needle bolt: SST		Diaphragm: NR
	14. Accessories	Control Filter	Type: 1/4" Self flushing, inline.	
			Screen: SST	
			Body: Brass	
		Cock valves	Ball: SST	
			Body: Brass	
		Solenoid	Type: N/A	
Rating:				
Enclosure:				
Body:				
		Orifice:		
		Actuation:		
NOTES				

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TYPICAL INSTALLATION



The safety Shut-off valve is assembled on the downstream side of a Pressure Reducing valve.

Case the Pressure Reducing valve fails and the downstream pressure accedes the pre-set value for safe operation, the Safety Shut-off valve (SSV) will close within seconds and keep its closed position until the system fixed and the control system is re-set to normal operation.

The service condition information contained within this document is based upon information received from the client or their representative for a specific project. The recommendations specified in this document are based on this information and do not represent any obligation on the part of *Dorot*.

The Recommendations herein are not to be constructed as recommendations for any other project. Complete recommendation must include a *Dorot* approved drawings.