

LOW FLOW CONTROL VALVE (SERIES - 119)

INTRODUCTION

Low flow control valve is designed for modulating control of liquid and gases in general duty industrial application where performance, quality and small physical size are important. The basic design offers features and performance levels normally found in more expensive, larger valves.

SPECIFICATIONS

DESIGN	: ASME B16-34
SIZE	: 6 to 25 mm (1/4" to 1")
RATING	: ANSI 150.
END CONNECTION	: Screwed - BSP / NPT or Socketweld.
BODY MATERIALS	: CF8 & CF8M For Valve Size - 1/4" & 1/2" A216 Gr WCB, CF8 & CF8M For Valve Size - 3/4" & 1"
PLUG, SEAT RING	: S.S.316
GLAND PACKING	: PTFE.
BONNET	: CF8 & CF8M For Valve Size - 1/4" & 1/2" A216 Gr WCB, CF8 & CF8M For Valve Size - 3/4" & 1"
TRIM DESIGNS	: Contoured, Micro Splined.
CHARACTERISTICS	: Equal %, Linear and On-Off.
SEAT LEAKAGE	: Class IV, V & VI As per FCI-70.02 (ANSI B 16.104)
ACTUATOR TYPE	: Diaphragm.
ACTUATOR ACTION	: Direct / Reverse Acting.
DIAPHRAGM	: Nitrile.
SPRING RANGE	: 3 – 15 PSIG (0.2 – 1.0 Kg/cm ²)
AIR SUPPLY	: 20 – 35 PSIG (1.4 – 2.5 Kg/cm ²)
AIR CONNECTION	: 1/ 4" NPT

DESIGN FEATURES

- >> Solid stem connection.
- >> Suitable for low flow and corrosive atmospheres.
- >> Available without positioner for fail open or fail close application.
- >> Corrosion resistance actuator available as an option.
- >> Investment cast body.
- >> Wide flow capacity range. Cv ranges from 0.13 to 10.



**CONTROL VALVE WITH
REVERSE ACTUATOR**



**CONTROL VALVE WITH
DIRECT ACTUATOR**

PVCT-119

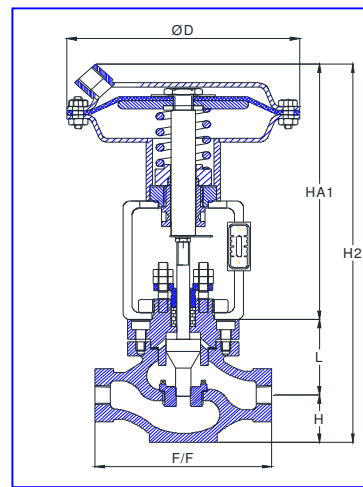
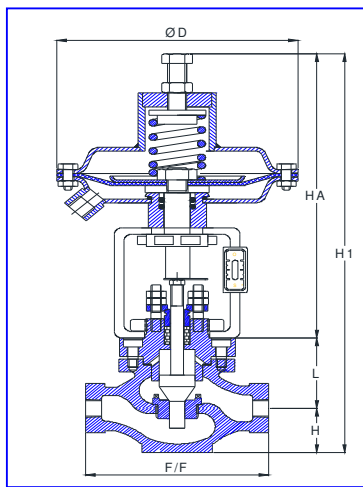
BUILT IN RELIABILITY

QUALITY AND PERFORMANCE GUARANTEE

- >> Produced with Quality Systems accredited to ISO 9001: 2008 by Bureau Veritas.
- >> Full material certification available for all major component Parts.
- >> Full guarantee on design and Performance.
- >> All testing performed to the requirements of ANSI B16.34.

Cv VALUES

Trim Size	No. E	No. D	No. C	No. B	No. A	1/16	1/8	3/16	1/4	3/8	1/2	3/4	1
Cv	0.15	030	0.45	0.60	0.75	0.40	0.63	1.20	2.00	3.20	5.00	7.0	10



VALVE SIZE		FACE TO FACE (F/F)	STEM IN UP POSITION	BONNET MOUNT DIA	HEIGHT FROM CENTER LINE		ACTUATOR HEIGHT		ØD	CENTR LINE TO BASE		TOTAL HEIGHT OF VALVE		TRAVEL
Inch	mm				STANDARD	PDC	PDO	ANSI 150#		H1 PDC	H2 PDO			
1/4	06	114	75	40.50	54	220	185	150	34	308	273	14.3		
1/2	15	114	75	40.50	54	220	185	150	34	308	273	14.3		
3/4	20	150	75	40.50	65	220	185	150	47	332	297	14.3		
1	25	150	75	40.50	65	220	185	150	47	332	297	14.3		

The Company's policy is one of continuous product improvement and the right is reserved to modify the specifications contained herein without notice.



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BUILT IN RELIABILITY

