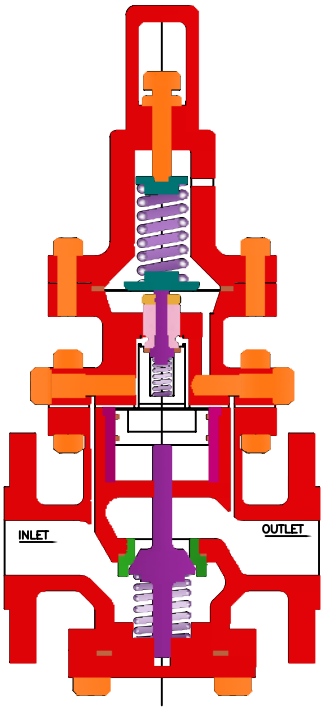
PRESSURE REDUCING VALVE

FEATURES



SINGLE SEATED:- *Closing with inlet pressure for positive, dead-end, shut-off.*

ACCURACY OF REGULATION:- *comparable to instrument control with full flow for equivalent pipe size.*

NEW TYPE PISTON WITH TEFLON + SEAL:- *for temperatures up to 500° F. gives continuous wiping actionkeeping liner clean, improving operating reliability and reducing maintenance. Piston rings can be furnished for temperatures over 500° F.*

FULLY GUIDED MAIN VALVE:- *prevents rubbing or binding of internal parts.*

GRADUAL OPENING PORTED MAIN VALVE:- *in sizes $2\frac{1}{2}$" and larger for improved throttling control under low flow conditions*

SENSITIVE STAINLESS STEEL DIAPHRAGM:- *responds instantly to any flow change and eliminates stuffing boxes and bellows seals. Full travel less than its own thickness reduces stress to a minimum.*

RENEWABLE, INTERCHANGEABLE PARTS:- *machined to close tolerance; complete overhaul without machining or removing valve body from the line.*

Valve	CV	F/F	Approx Weught
15	4.8	106	14
20	7	160	14
25	10	194	19
40	19	210	24
50	33	210	36
80	72	308	76
100	106	351	709

Mat Service Condition (Temp. Pressure) with Respec to body Mat.

Body Mat.	C.I	C.S	S.S
Working Pressure Max - Bar	12 Bar	36 Bar	36 Bar
Working Temp. Max C°	0°c To 235°c	-30°c To 415°c	-209°c To 820°c

SIZE (Inches)	INLET STEAM PRESSURE AND TEMPERA-TURES	REDUCED PRESSURE RANGE - PSI		BODY MAT'L	END CONNECTIONS	TRIM PARTS AND MATERIAL				
		MIN.	MIX.			SEAT RING	MAIN & CONTROL-LING VALVE	CONTROL-LING VALVE SEAT	CYLINDER LINER	PISTON
$\frac{1}{2}$" - 4	25-300 PSI 500° F	10*	285	C.I. C.S. BRONZE S.S.	$\frac{1}{2}$"-2" 300 Lb.Thraded $\frac{1}{2}$ - 4" 150 & 300 Lb. Flanged	304 Series Stanless steel Stellited	304 Series Stanless steel Hardned	Stainless Steel	BRONZE or S.S. 304	Cast Bronze with teflon seal
		2**	35		5" 150 & 300 Lb. MSS Flanges					
					6" 150 & 300 Lb. MSS Flanges					

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