

Globe Valve Threaded

Fig. 5815/35

Standard

Connection meet: ISO 7/1 (Rp...)
Size range: 15mm(1/2")~50mm(2")
Testing Standard: EN12266-1

Technical data

Nominal pressure: 25 bar。
Size: DN15~DN50
Flow: 2.5~40 m³/h
Testing pressure: Shell: 37.5bar / Seal: 27.5bar
Leakage rate: direct: 0~0.02%Kvs by-pass: 0.5 ~ 2 %
Media: Water, steam
Media PH: min 7, max 10
Temperature range: -20~150°C
Stroke: 20mm
Actuators: ESX/ESV Series

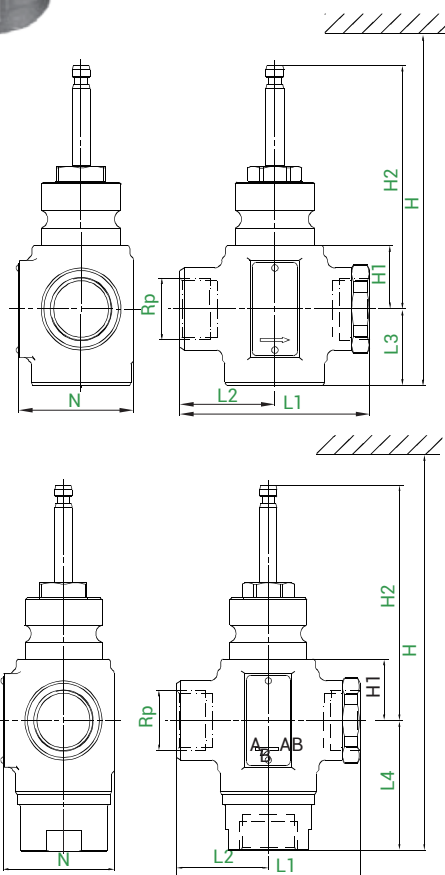
Specification

Part	Material	Material
Body	Stainless Steel	SS304
Trim	Stainless Steel	SS304
Shaft	Stainless Steel	SS304
Seal ring	Stainless Steel	SS304
O-ring	EPDM	

Dimensions

	DN	L1	L2	L3	L4	H1	H2	H+ESX	G(Inch)	N	Kvs(m³/h)
Fig.5815/35.15	15	90	45	68	40	26	122.5	> 450	Rp 3/4	60	4
Fig.5815/35.20	20	90	45	69	40	26	122.5		Rp 1/2	60	6.3
Fig.5815/35.25	25	105	52.5	73.5	41	34	130.5	> 460	Rp 1	64	10
Fig.5815/35.32	32	115	57.5	74	41	34	130.5		Rp 1 1/4	87	16
Fig.5815/35.40	40	130	65	84	46	46	142.5	> 470	Rp 1 1/2	108	25
Fig.5815/35.50	50	150	75	98	56	46	142.5		Rp 2	120	40

Schema



Overview

2-Way	3-Way	DN	kvs [m³/h]	ESX...			
				ΔPmax [kPa]	ΔPmax ¹⁾ [kPa]	ΔPs ²⁾ [kPa]	Sv
Fig.5815.15	Fig.5835.15	15	4.0	400	100	1600	> 50
Fig.5815.20	Fig.5835.20	20	6.3				> 100
Fig.5815.25	Fig.5835.25	25	10				
Fig.5815.32	Fig.5835.32	32	16				
Fig.5815.40	Fig.5835.40	40	25				
Fig.5815.50	Fig.5835.50	50	40	300		400	

When 3-Way valve used for split-flow, recommended $\Delta P_{\max}$ is 100kPa. If ignore the noise, $\Delta P_{\max}$ is equal to used for flow collecting.

2) For 2-Way valves

$\Delta P_{\max}$ = The maximum allowable differential pressure at both ends of the valve can be maintained in normal operation throughout the stroke range

ΔP_s = The maximum allowable differential pressure (closing pressure) at both ends of the valve to ensure that the actuator can be safely closed.

Actuator overview

Actuator	Supply Voltage	Control Signal	Spring return	Speed	Motor	Force
ESX01-31	AC 230 V	3-Float	-	0.33mm/s	Electric	1000 N
ESX01-11	AC 24 V	3-Float	-	0.33mm/s		
ESX01-16	AC 24 V	DC 0~10 V	-	0.33mm/s		

Actuator	Supply Voltage	Control Signal	Spring return	Speed	Motor	Force
ESV01-31	AC 230 V	3-Float	optional	0.26mm/s	Electric	1000 N
ESV01-11	AC 24 V	3-Float	optional	0.26mm/s		
ESV01-16	AC 24 V	DC 0~10 V	optional	0.26mm/s		