

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

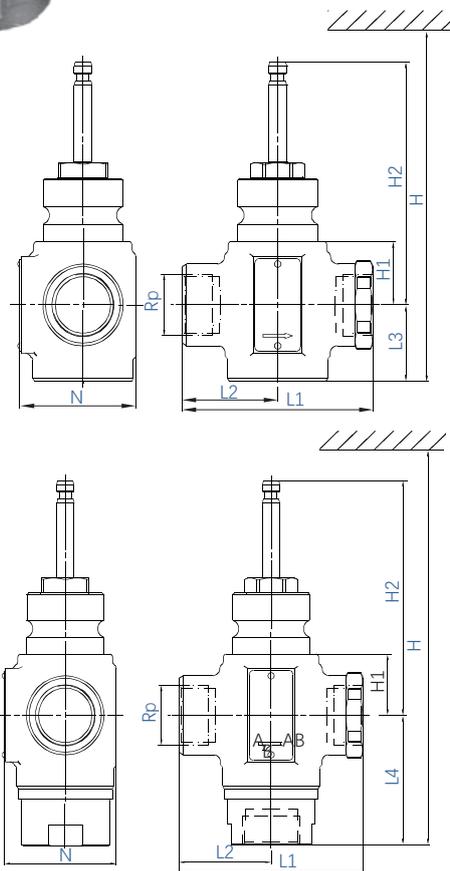
Media PH: min 7, max 10

Temperature range: -20~150°C

Stroke: 20mm

Actuators: ESX/ESV Series

Schema



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(m ³ /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

Overview

2-Way	3-Way	DN	kvs [m ³ /h]	ESX···			
				ΔP_{max} [kPa]	$\Delta P_{max}^{1)}$ [kPa]	$\Delta P_s^{2)}$ [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			1250	
Fig.5815.40	Fig.5835.40	40	25			750	
Fig.5815.50	Fig.5835.50	50	40	300		400	

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

2) For 2-Way valves

ΔP_{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		