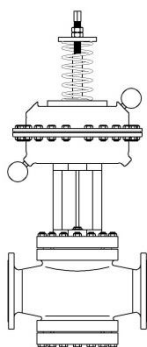


DIFFERENTIAL PRESSURE & FLOW CONTROL VALVE



YPDV-Series

Application

YPDV-Series is a differential pressure controlling valve using the diaphragm which includes an easy automatic control according to the pressure change. It is installed in building, apartments, cooling & heating air conditioning system, etc. and used in maintaining pipes & systems securely, by automatically controlling the pressure or flow changes.

Technical Data

Valves				
Valve Size (A)	Type Reference		CV	Max. Pressure Max. (kgf/cm ²)
	10k	20k		
32	YPDV-1032	YPDV-2032	17	10 / 20
40	YPDV-1040	YPDV-2040	25	10 / 20
50	YPDV-1050	YPDV-2050	44	10 / 20
65	YPDV-1065	YPDV-2065	57	10 / 20
80	YPDV-1080	YPDV-2080	77	10 / 20
100	YPDV-1100	YPDV-2100	122	10 / 20
125	YPDV-1125	YPDV-2125	189	10 / 20
150	YPDV-1150	YPDV-2150	290	10 / 20
200	YPDV-1200	YPDV-2200	340	10 / 20
250	YPDV-1250	YPDV-2250	400	10 / 20
300	YPDV-1300	YPDV-2300	-	10 / 20

Technical Data

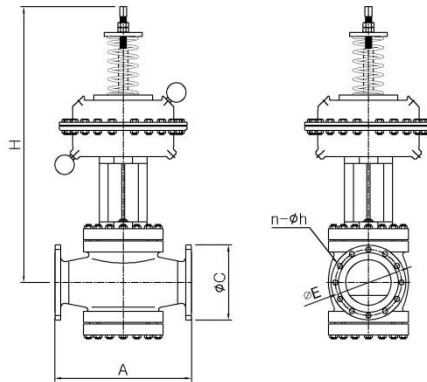
Category		YPDV-1000	YPDV-2000
Applicable fluid		Cold & Hot water	
Applicable pressure		Max, 10kgf/cm ²	Max, 20kgf/cm ²
Applicable temperature		Max. 120°C	
Diff' pressure ctrl range		0.5~2.0kgf/cm ²	
Material	Body	GCD45	SCPH2
	Plug	STS304	
	Seat	Under 150A : SSC14A /Above 200A : BsC3	
	Diaphragm	EPDM	
Structure		Balance Type	
Connection		KS 10K RF Flange	KS 20K RF Flange

Design characteristics

- 1) Economic due to its independent operation without the need of auxiliary power.
- 2) High durability & easy maintenance due to the simple structure.
- 3) No additional manometer installation required due to the manometer attachment on the valve.
- 4) Disk port & seat of the valve are designed to have the Balance type, which enables secure control regardless of fluid pressure at the back/ahead of valves.
- 5) Control speed is fast, accurate and sensitive for the pipe pressure is directly detected to both upper/lower parts of the diaphragm.
- 6) Gland sealing box characteristics
 - A pair of O-Rings & dust protection strip-attached Sealing Gland.
 - Self-adjusting Teflon sleeve-attached Sealing Gland.
 - Sealing Gland is changeable without separating the valve.

DIFFERENTIAL PRESSURE & FLOW CONTROL VALVE

Shape Dimension



Size(A)	A		C		E		H	n-øh	
	10K	20K	10K	20K	10K	20K		10K	20K
32	222		135		100		700	4-19	4-19
40	222		140		105		750	4-19	4-19
50	254		155		120		750	4-19	8-19
65	276		175		140		850	4-19	8-19
80	298		185	200	150	160	1000	8-19	8-23
100	352		210	225	175	185	1100	8-19	8-23
125	403		250	270	200	225	1350	8-23	8-25
150	451		280	305	240	260	1450	8-23	12-25
200	612	606	330	350	290	305	1450	12-23	12-25
250	731	727	400	430	355	380	1450	12-25	12-27
300	860	854	445	480	400	430	1480	16-25	16-27

Order specifications

Y P D V- □ □ □ □

Valve Size : 032 ~ 300

Pressure : 1 -10Kgf/cm² / 2 -20Kgf/cm²

Differential Pressure & Flow Control Valve