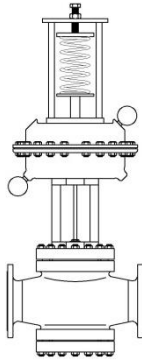


DIFFERENTIAL PRESSURE CONTROL VALVE



YDV-Series

Application

YDV-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	YDV-1032	YDV-2032	17	10 / 20
40	YDV-1040	YDV-2040	25	10 / 20
50	YDV-1050	YDV-2050	44	10 / 20
65	YDV-1065	YDV-2065	57	10 / 20
80	YDV-1080	YDV-2080	77	10 / 20
100	YDV-1100	YDV-2100	122	10 / 20
125	YDV-1125	YDV-2125	189	10 / 20
150	YDV-1150	YDV-2150	290	10 / 20
200	YDV-1200	YDV-2200	340	10 / 20
250	YDV-1250	YDV-2250	400	10 / 20
300	YDV-1300	YDV-2300	-	10 / 20

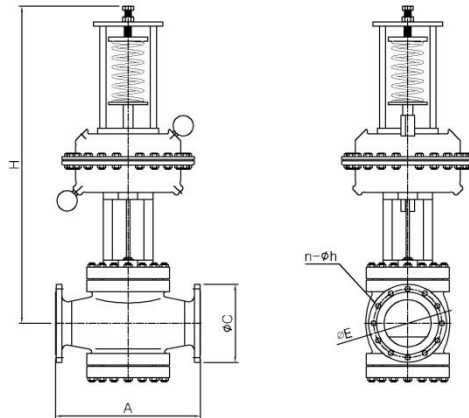
Technical Data

Category		YDV-1000	YDV-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

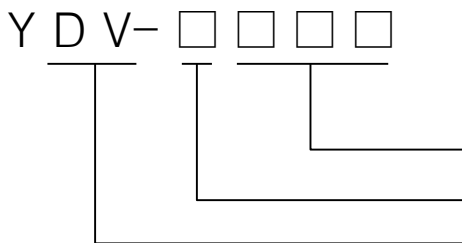
- 1) Installed between supply pipe and return pipe to control the differential pressure.
- 2) Economic due to its independent operation without the need of auxiliary power.
- 3) High durability & easy maintenance due to the simple structure.
- 4) No additional manometer installation required due to the manometer attachment on the valve.
- 5) 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.
- 6) Control speed is fast, accurate and sensitive for the pipe pressure is directly detected to both upper/lower parts of the diaphragm.
- 7) Very applicable in pump reliefs by the closed circuit.
- 8) 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.

Shape Dimension



Size(A)	A		C		E		H	n-φh	
	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



Valve Size : 032 ~ 300

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

Differential Pressure Control Valve