

Restrictor Valve/Check Restrictor Valve

Model: DV(P)/DRV(P)...1XJ



- ◆ Size 6 to 30
- ◆ Maximum working pressure 350 bar
- ◆ Maximum working flow 375 L/min

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Features

- Subplate mounting
- Threaded connection
- Adjusting spool in closed position without leakage from port A to port B

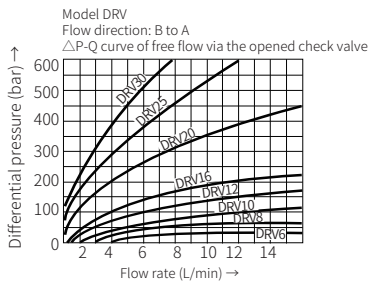
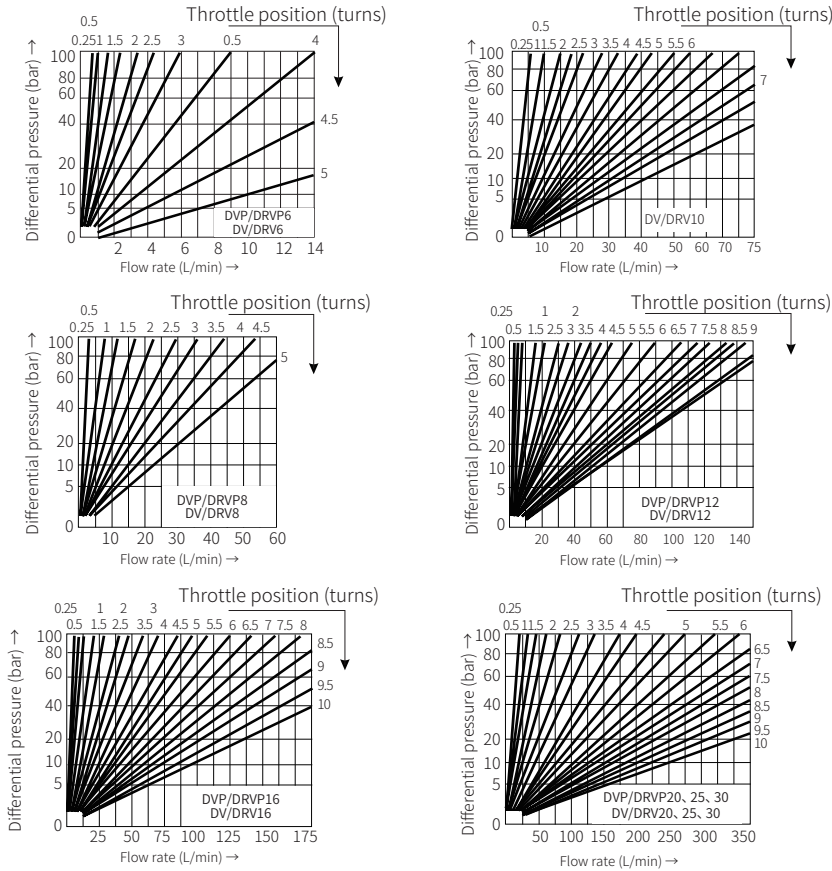
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Characteristic curve

(Measured when using HLP 46, $t_{oil} = 40^{\circ}\text{C} \pm 5^{\circ}\text{C}$)

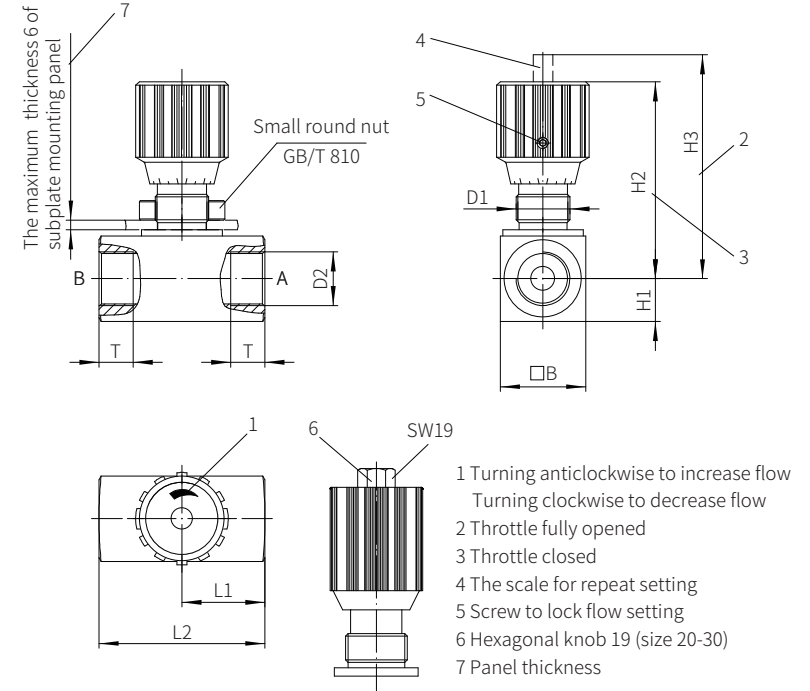
Flow direction: A to B, the relationship between differential pressure ΔP and flow Q at the fixed throttle position



Component size

Size unit: mm

Threaded connection (Model DV/DRV)



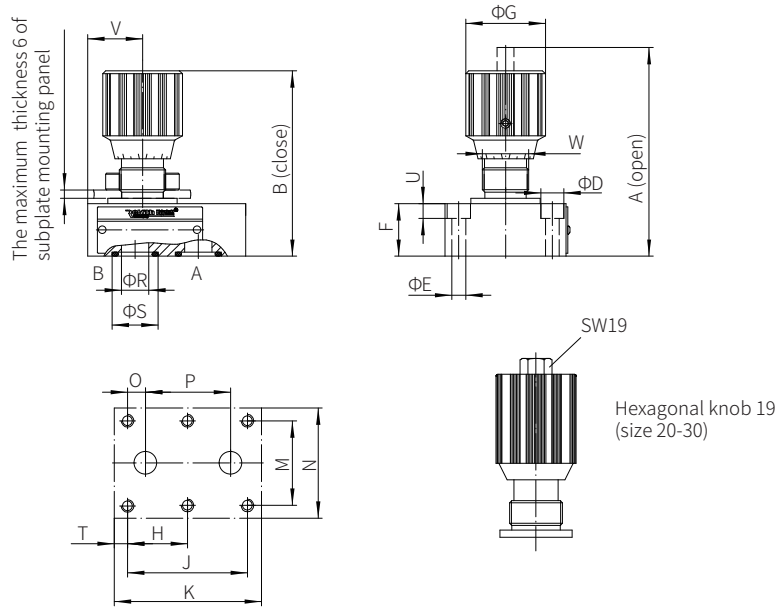
Note: For size L1 and L2, the left is size for DV, the right is size for DRV.

Size	□B	D1	D2		T	H1	H2	L1		L2	
6	16	M14X1.5	G1/8"	M10X1	8	8	53.5	19	26	38	45
8	25	M18X1.5	G1/4"	M14X1.5	12	12.5	66.8	24	33.5	48	55
10	30	M18X1.5	G3/8"	M18X1.5	12	15	69.3	29	41	58	65
12	35	M22X1.5	G1/2"	M22X1.5	14	17.5	80.7	34	44	68	73
16	45	M22X1.5	G3/4"	M27X2	16	22.5	85.7	39	57	78	88
20	50	M33X2	G1"	M33X2	18	25	135.6	54	77	108	127
25	60	M33X2	G1 1/4"	M42X2	20	30	140.6	54	93	108	143
30	70	M33X2	G1 1/2"	M48X2	20	35	145.6	54	108	108	143

Component size

Size unit: mm

Subplate mounting (Model DVP)



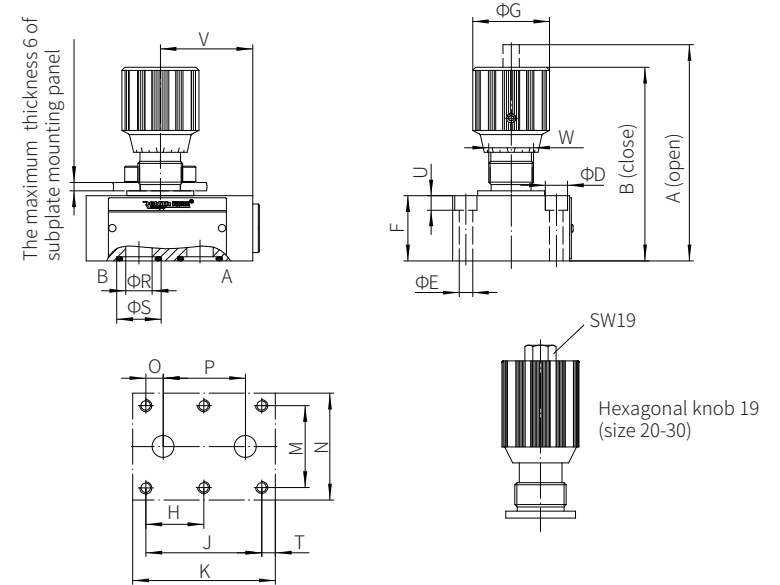
Size	A	B	D	E	F	G	H	J	K	M
6	70.5	63.5	11	6.6	18	24	-	19	35	28.5
8	82.2	74.3	11	6.6	20	24	-	35	47.5	33.5
10	87.2	79.2	11	6.6	25	29	-	33.5	51	38
12	100.2	88.2	11	6.6	25	29	-	38	75	44.5
16	105	93.2	14	9	30	38	38	76	93.5	54
20	166.6	115.6	14	9	45	38	47.5	95	111	60
25	166.6	115.6	18	11.5	45	49	60	120	143	76
30	171.6	160.6	20	14	50	49	71.5	143	171	92

Size	N	O	P	R	S	T	U	V	W
6	41.5	1.6	16	5	12.2	8	7	11	M14X1.5
8	46	4.5	25.5	7	13.7	6.5	7	13.5	M18X1.5
10	51	4	25.5	10	15.7	8.5	7	16	M18X1.5
12	57.5	4	30	13	21.8	18.5	7	26	M22X1.5
16	70	11.4	54	16	24.5	8.5	9	23.5	M22X1.5
20	76.5	19	57	22	31.5	8	9	34	M33X2
25	100	20.6	79.5	28.5	39.2	11	11	45	M33X2
30	115	23.8	95	31	41	15	13	39	M33X2

Component size

Size unit: mm

Subplate mounting (Model DRVP)



Size	A	B	D	E	F	G	H	J	K	M
6	75.5	68.5	11	6.6	23	24	-	19	41.5	28.5
8	86.2	78.3	11	6.6	24	24	-	35	63.5	33.5
10	89.2	81.2	11	6.6	27	29	-	33.5	70	38
12	107.2	95.2	11	6.6	32	29	-	38	80	44.5
16	120	108.2	14	9	45	38	38	76	104	54
20	171.6	120.6	14	9	50	38	47.5	95	127	60
25	179.6	128.6	18	11	58	49	60	120	165	76
30	196.6	185.6	20	14	75	49	71.5	143	188	92

Size	N	O	P	R	S	T	U	V	W
6	41.5	1.6	16	6	12.2	16.1	8	29.5	M14X1.5
8	46	4.5	25.5	8	13.7	14.3	10	42.5	M18X1.5
10	51	4	25.5	10	15.7	18.5	7	45	M18X1.5
12	57.5	4	30	13	21.8	21	7	45.5	M22X1.5
16	70	11.4	54	17	24.5	16	12	54	M22X1.5
20	76.5	19	57	22	31.5	30	12	70	M33X2
25	100	20.6	79.5	28.5	39.2	28	13	83	M33X2
30	115	23.8	95	31	41	42.5	13	87.5	M33X2