



RESTRICTOR VALVE

MODEL DV(P)/DRV(P)

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DV(P)/DRV(P)

RESTRICTOR VALVE

VAVLOLE DI RITEGNO



DV(P)/DRV(P) TYPE VALVE IS A FLOW CONTROL VALVE TO ADJUST MOVEMENT SPEED OF ACTUATORS SIMPLY AND EXACTLY. THE VALVE CAN ALSO BE USED AS SHUT-OFF VALVE WHEN COMPLETELY SHUT.

THE SCALE OF TRIANGLE SHOW HOW LARGE THE FLOW IS (THE LARGER THE TRIANGLE IS AND THE GREATER THE FLOW IS).

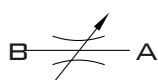
MEANWHILE, FOR RESETTING AGAIN, IT CAN BE RESTORED TO THE PRESET POSITION.



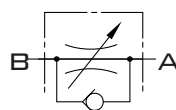
TECHNICAL DATA

SIZE			6	8	10	12	16	20	25	30
MAX.OPERATING PRESSURE		BAR	350							
CHECK VALVE CRACING ORESSURE		BAR	5							
WEIGHT	TYPE DV	KG	0.12	0.53	0.7	0.9	1.5	2.5	3.3	3.8
	TYPE DVP		0.25	0.7	1.0	1.3	2.6	4.3	8.3	11.2
	TYPE DRV		0.13	0.6	0.7	0.9	1.5	3.1	4.1	5.3
	TYPE DRVP		0.26	0.7	1.0	1.4	2.7	4.7	8.8	12.2
FLUID			MINERAL OIL; PHOSPHATE ESTER							
FLUID TEMPERATURE RANGE		°C	-20 TO +80							
VISCOSITY		MM²/S	2.8 - 500							
INSTALLATION POSITION			OPTIONAL							
DEGREE OF CONTAMINATION			MAXIMUM PERMISSIBLE DEGREE OF FLUID CONTAMINATION: CLASS 9, NAS 1638 OR 20/18/15, ISO4406							

SYMBOLS



TYPE DV, DVP



TYPE DRV, DRVP

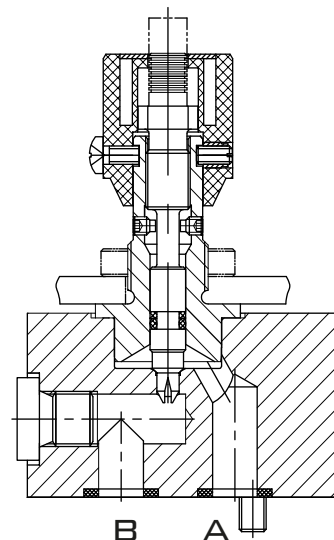
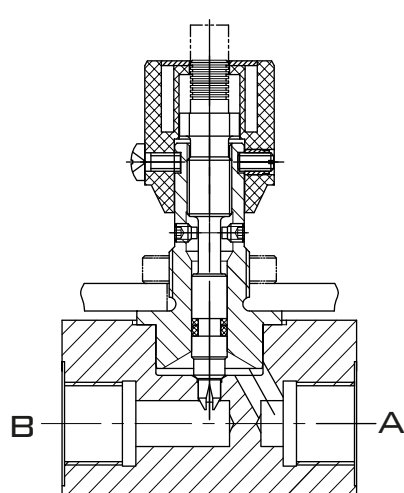
FUNCTION AND CONFIGURATION

DV(P)/DRV(P) TYPE VALVE IS A FLOW VALVE MOVEMENT SPEED OF ACTUATORS SIMPLY AND EXACTLY. THE VALVE CAN ALSO BE USED AS SHUT-OFF VALVE WHEN COMPLETELY SHUT.

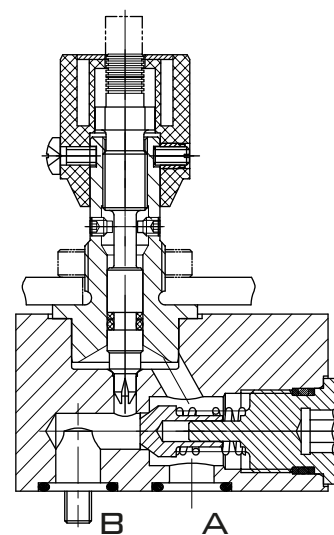
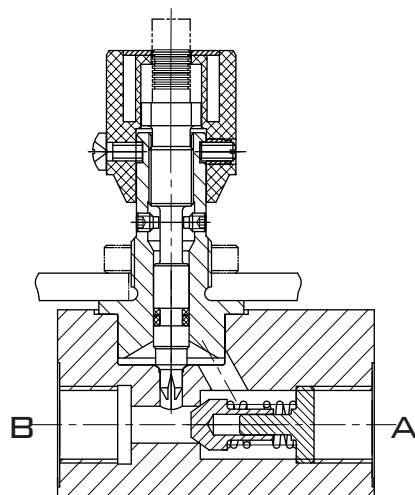
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TYPE DV, DVP

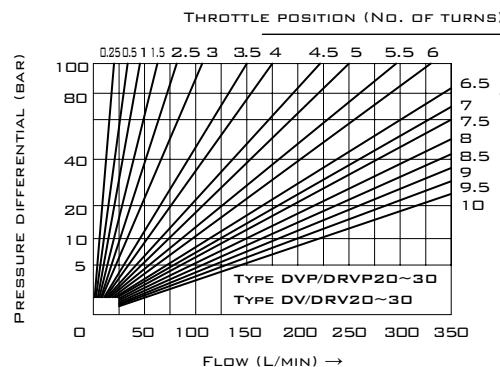
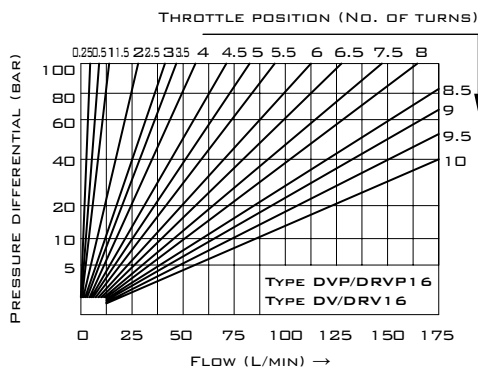
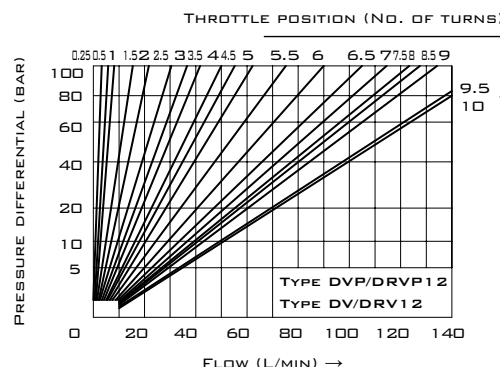
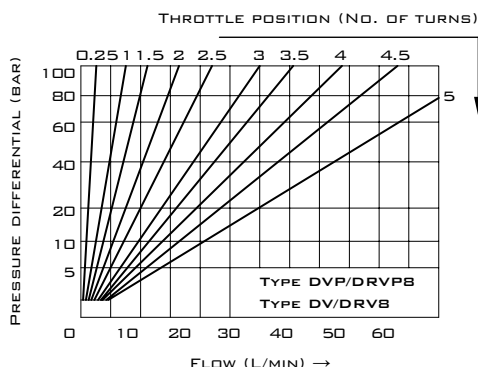
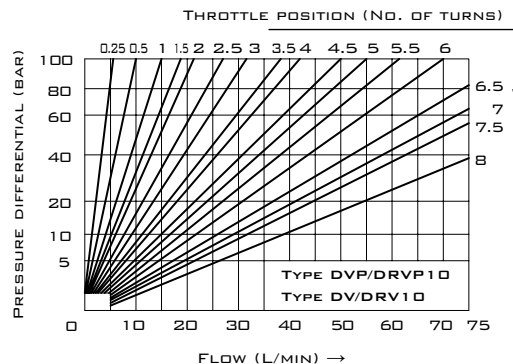
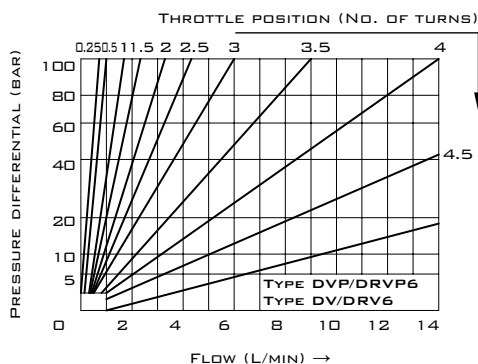


TYPE DRV, DRVP



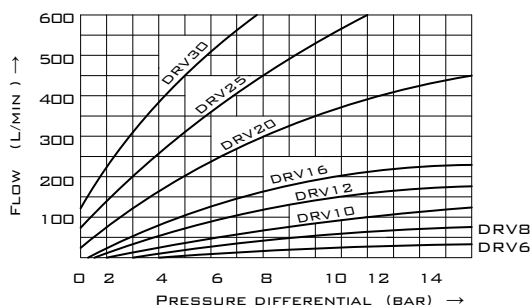
CHARACTERISTIC CURVES (MEASURED AT $T=40^{\circ}\text{C} \pm 5^{\circ}\text{C}$, USING HLP46)

FLOW DIRECTION: A TO B RELATION OF DIFFERENTIAL PRESSURE ΔP TO FLOW Q IN CONSTANT THROTTLE POSITION.



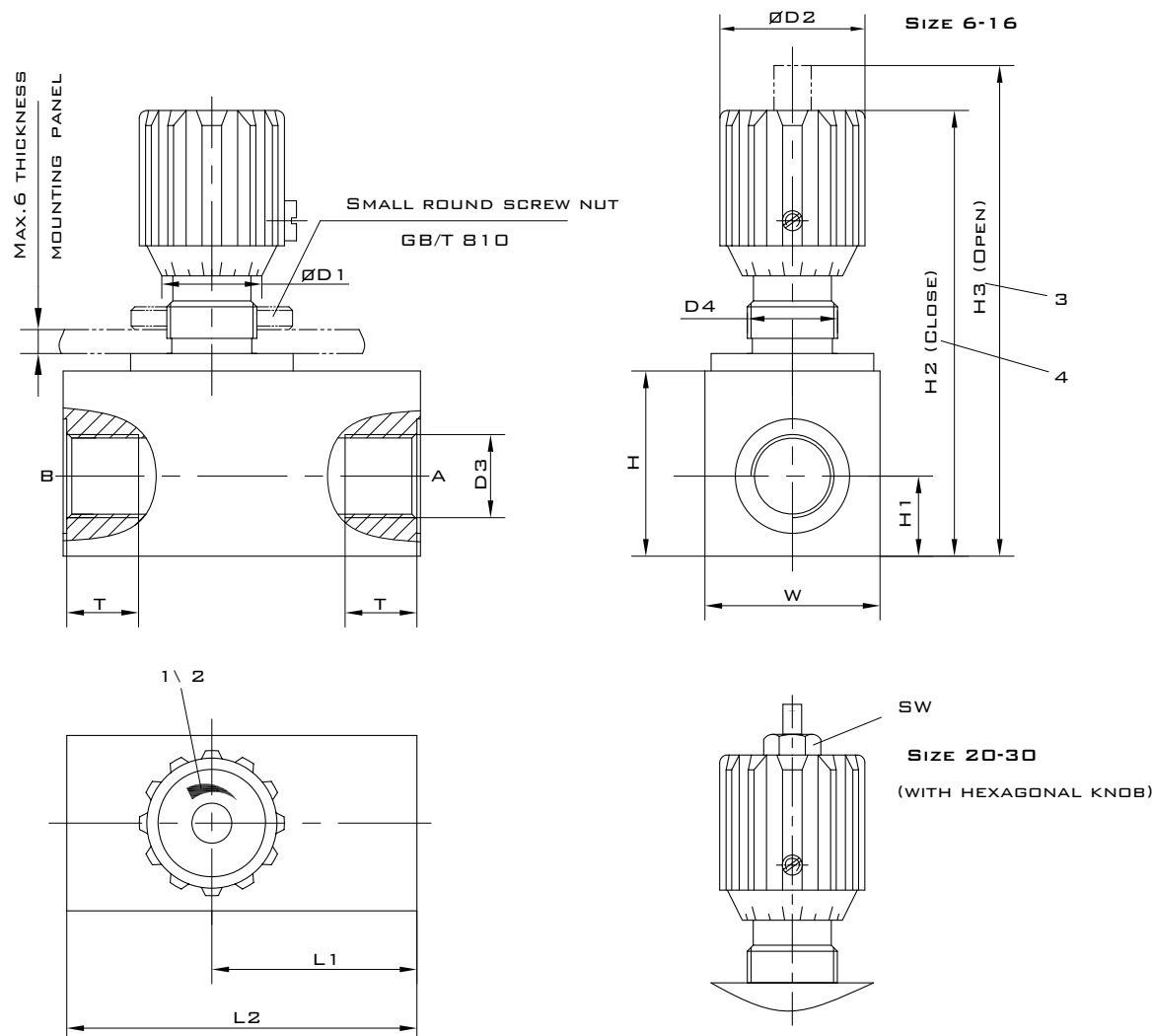
TYPE DRV

FLOW DIRECTION: B TO A P-Q CURVE OF FREE VIA OPEN CHECK VALVE.



UNIT DIMENSIONS

THREADED-CONNECTION (TYPE DV)



1) FLOW INCREASES WITH ANTI-CLOCKWISE ROTATION

2) FLOW REDUCES WITH CLOCKWISE ROTATION

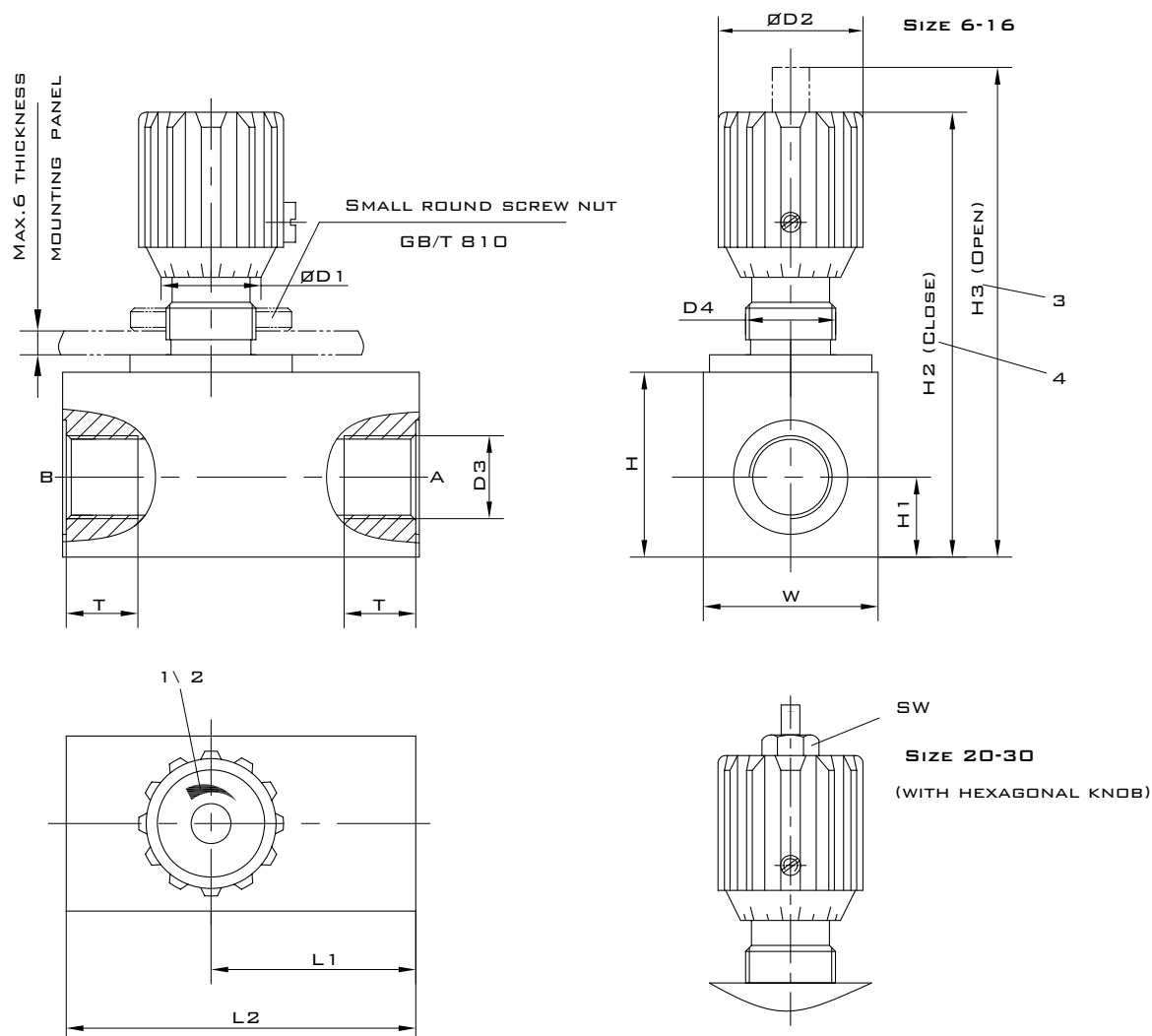
3) THROTTLE FULLY OPENS

4) THROTTLE CLOSES

SIZE	WXH	ØD1	ØD2	ØD3	ØD4	H1	H2	H3	L1	L2	SW	T
6	20x20	15	24	G1/8	M10x1	M12x1.25	10	64	68	19.5	39	9
8	34x30.5	20	29	G1/4	M14x1.5	M18x1.5	12.5	83	90	32.5	63.5	12
10	36.5x38.5	20	29	G3/8	M18x1.5	M18x1.5	16	95	103	33	66	12
12	37x38	26	37.5	G1/2	M22x1.5	M22x1.5	17.5	101.5	109.5	44.5	80	14
16	45x52	26	37.5	G3/4	M27x2	M22x1.5	22.5	124	134.5	44.5		16
20	57x56.5	38	50	G1	M33x2	M36x1.5	26	162.5	178.5	49.5	99	18
25	63x66	38	50	G1	M42x2	M36x1.5	30	167	186	54.5	109	19
30	73x76	38	50	G1	M48x2	M36x1.5	35	177.5	196	54.5	109	19
												22

UNIT DIMENSIONS

THREADED-CONNECTION (TYPE DRV)



1) FLOW INCREASES WITH ANTI-CLOCKWISE ROTATION

2) FLOW REDUCES WITH CLOCKWISE ROTATION

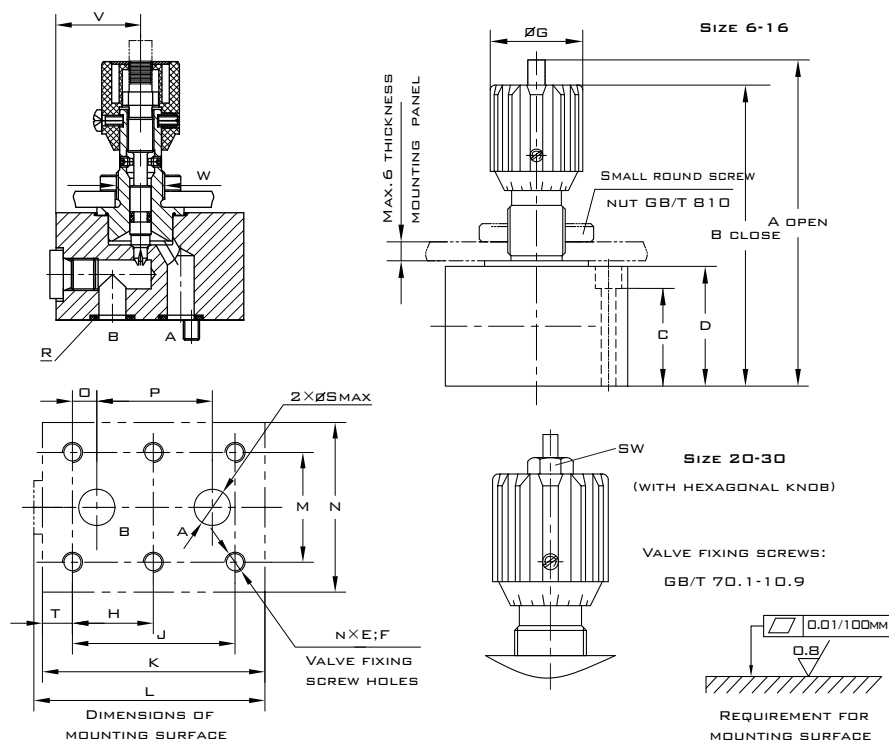
3) THROTTLE FULLY OPENS

4) THROTTLE CLOSES

SIZE	WxH	ØD1	ØD2	ØD3	ØD4	H1	H2	H3	L1	L2	SW	T
6	20x21	15	24	G1/8 M10x1	M12x1.25	10	65	70	28	46		9
8	34x35	20	29	G1/4 M14x1.5	M18x1.5	15	87	94	38	64.5		12
10	36.5x41	20	29	G3/8 M18x1.5	M18x1.5	16	98	105	45.5	71		12
12	37x42	26	37.5	G1/2 M22x1.5	M22x1.5	17.5	105	113	48	81		14
16	45x54	26	37.5	G3/4 M27x2	M22x1.5	22.5	124	134.5	56.5	89		16
20	57x59	38	50	G1 M33x2	M36x1.5	26	162.5	178.5	80	128	19	18
25	63x70	38	50	G1 1/4 M42x2	M36x1.5	30	170	186.5	98	144	19	20
30	73x80	38	50	G1 1/2 M48x2	M36x1.5	35	180	195.5	105	145	19	22

UNIT DIMENSIONS

SUB-PLATE MOUNTING (TYPE DVP)

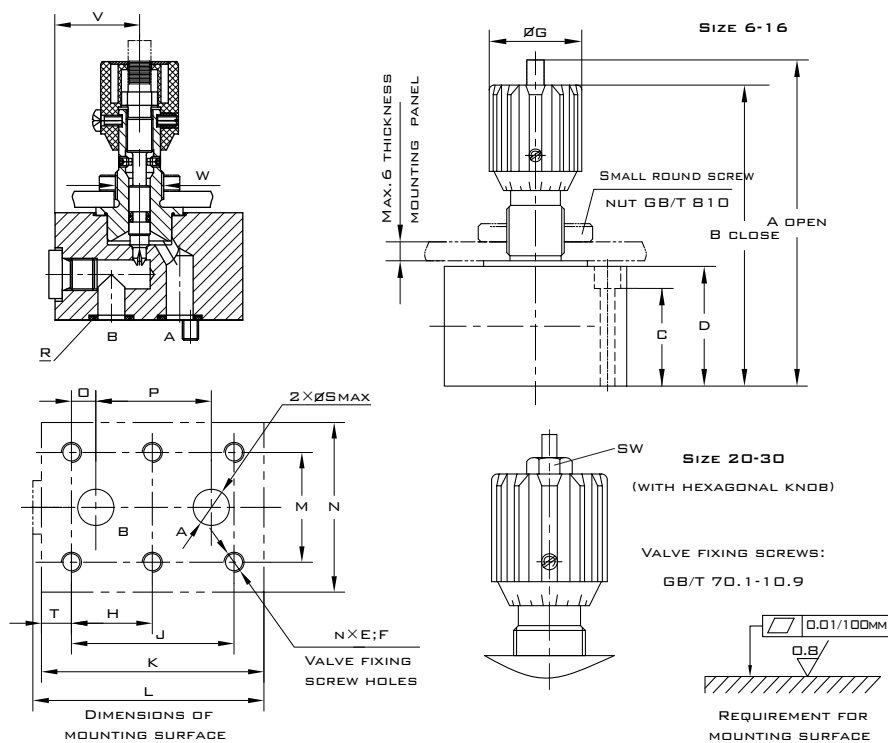


SIZE	A	B	C	D	N	E	F	G	H	J	K	L	M	N
6	66	61.5	10	18	4	M6	12	24	-	19	38	41	28.5	41.5
8	89.6	82.7	21	30.5	4	M6	12	29	-	35	63.5	67	33.5	46
10	104	96	29.5	40	4	M6	12	29	-	33.5	70	72.3	38	51
12	109	100.5	29	38	4	M6	12	37.5	-	38	80	82	44.5	57.5
16	133	122.3	41	52	6	M8	16	37.5	38	76	104	107	54	70
20	177	161	49	61	6	M8	16	50	47.5	95	127	129	60	76.5
25	185	170	55	68.5	6	M10	20	50	60	120	165	168	76	100
30	195	179	63	79	6	M12	24	50	71.5	143	186	186	92	115

SIZE	Q	P	R	S	T	V	W	SW	VALE FIXING SCREW
6	1.6	16	O-RING 7X1.5	5	9.5	18.5	M12X1.25	-	M6X20
8	4.5	25.5	O-RING 12.3X2.4	8	14.3	31	M18X1.5	-	M6X30
10	4	25.5	O-RING 12.3X2.4	10	17	31.5	M18X1.5	-	M6X40
12	4	30	O-RING 15X2.65	12	21	36.5	M22X1.5	-	M6X40
16	11.4	54	O-RING 19X3	15	14	49	M22X1.5	-	M8X55
20	19	57	O-RING 30X3	20	17	47	M36X1.5	19	M8X60
25	20.6	79.5	O-RING 32X3	25	15	77	M36X1.5	19	M10X70
30	23.8	95	O-RING 34.52X3.53	30	15	85	M36X1.5	19	M12X80

UNIT DIMENSIONS

SUB-PLATE MOUNTING (TYPE DRV(P))



SIZE	A	B	C	D	N	E	F	G	H	J	K	L	M	N
6	67	62.5	9	19	4	M6	12	24	-	19	41.5	43	28.5	41.5
8	90	83	19	31	4	M6	12	29	-	35	63	67	33.5	46
10	103	95	30	38.5	4	M6	12	29	-	33.5	70	72	38	51
12	112	103.5	29	41	4	M6	12	37.5	-	38	80	84	44.5	57.5
16	132	122	41	51	6	M8	16	37.5	38	76	104	107	54	70
20	176	161	48	60	6	M8	16	50	47.5	95	127	131	60	76.5
25	186	171	55	70	6	M10	20	50	60	120	165	169	76	100
30	195	180	63	79	6	M12	24	50	71.5	143	186	190	92	115

SIZE	Q	P	R	S	T	V	W	SW	VALE FIXING SCREW
6	1.6	16	O-RING 7X1.5	5	6.4	10	M12X1.25	-	M6X20
8	4.5	25.5	O-RING 12.3X2.4	8	9.3	25.8	M18X1.5	-	M6X30
10	4	25.5	O-RING 13.2X2.4	10	10	24.5	M18X1.5	-	M6X40
12	4	30	O-RING 15X2.65	12	21	31.5	M22X1.5	-	M6X40
16	11.4	54	O-RING 19X3	15	14	41	M22X1.5	-	M8X55
20	19	57	O-RING 30X3	20	17	44	M36X1.5	19	M8X60
25	20.6	79.5	O-RING 32X3	25	15	62	M36X1.5	19	M10X70
30	23.8	95	O-RING 34.52X3.53	30	15	72	M36X1.5	19	M12X80



VAVLOLE DI RITEGNO

DV(P)/DRV(P)

RESTRICTOR VALVE

ORDER CODE

					1	-10J	/		*
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THROTTLE VALVE = DV
THROTTLE CHECK VALVE = DRV
THREADED CONNECTION = NO CODE
SUB-PLATE MOUNTING = P

NOMINAL SIZE	6	= 6
NOMINAL SIZE	8	= 8
NOMINAL SIZE	10	= 10
NOMINAL SIZE	12	= 12
NOMINAL SIZE	16	= 16
NOMINAL SIZE	20	= 20
NOMINAL SIZE	25	= 25
NOMINAL SIZE	30	= 30

FURTHER DETAILS IN CLEAR TEXT

NO CODE = NBR SEALS
V = FKM SEALS

NO CODE = THREADED CONNECTION
2 = INCH THREAD
METRIC THREAD

10J = 10J SERIES

1 = STEEL VALVE BODY

- = FOR DIRECT IN-LINE MOUNTING
S = FOR CONTROL PANEL MOUNTING