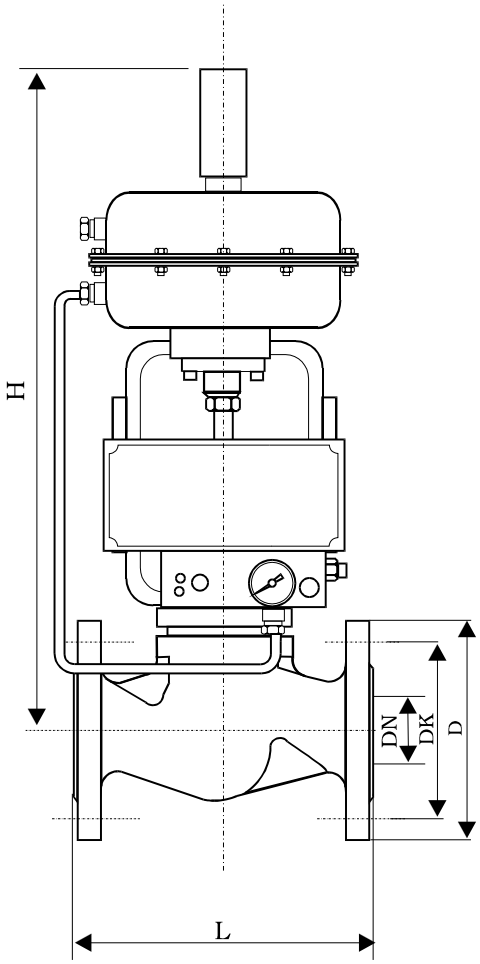
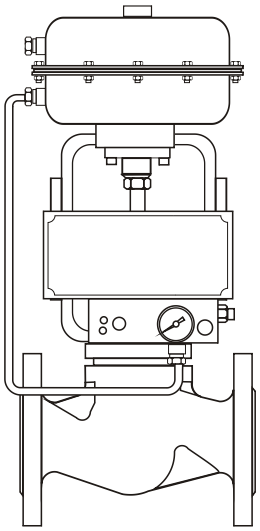
Regulacijski ventili s pneumatskim pogonom

REGULACIJSKI VENTIL
s pneumatskim pogonom
za regulaciju protoka neagresivnih tekućina i pare

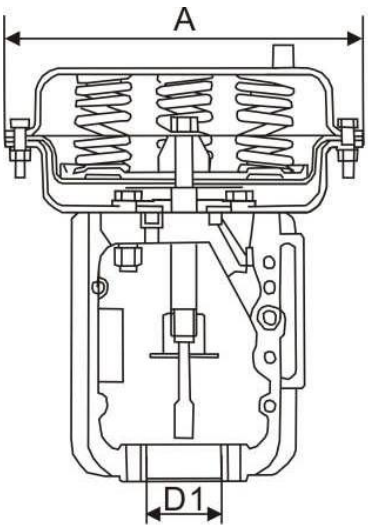


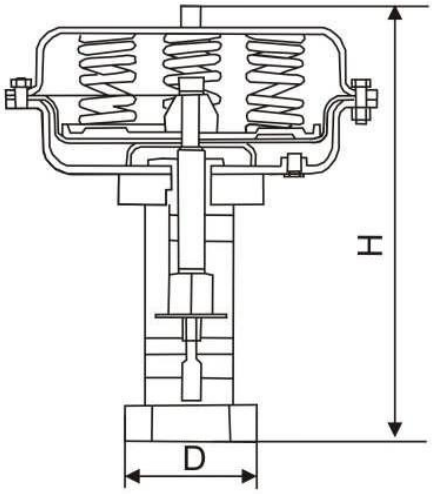
tlak napajanja:	1.5 - 6 bara
veličina pneumatskog pogona:	350 cm² 610 cm² 1000 cm² 1300 cm²
radna temperature okoline:	-20 do +60 °C
temperatura medija regulacije:	do 220 °C
brtva vretena:	PTFE
davač položaja ventila:	potenciometar 100 Ω 1000 Ω strujni signal 4 do 20 mA dvožično
upravljanje pogonom:	ulazni signal 4 do 20 mA (Pozicioner, I/P pretvarač) 0.2 - 1 bar

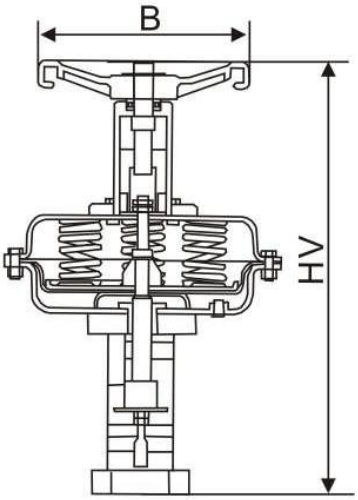




PNEUMATSKI POGON ZA VENTILE

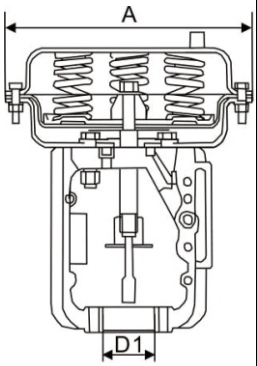




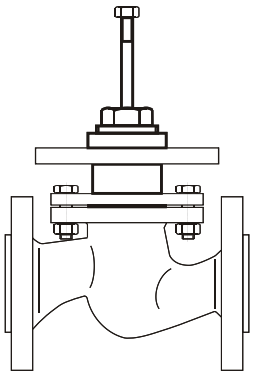




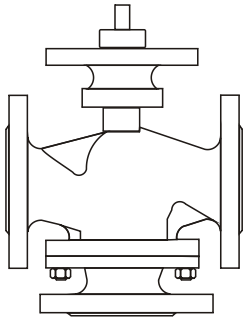
Type	Size (mm)							Valve size (mm)	Weight (kg)
	D	D1	nXd	H	HV	A	B		
MF22	60	101	4 x 10	300	-	288	-	DN10-DN20	15
MF23	60	101	4 x 10	321	-	288	-	DN25-DN32	17
MF34	74	124	4 x 14	437	-	360	-	DN50-DN100	25
MF45	95	152	4 x 14	542	-	470	-	DN125-DN200	46,5
MF56	100	190	4 x 18	740	-	579	-	DN250-DN400	107,5
MFA22	60	101	4 x 10	-	508	288	220	DN10-DN20	18
MFA23	60	101	4 x 10	-	551	288	220	DN25-DN32	20
MFA34	74	124	4 x 14	-	651	360	335	DN40-DN50	31
MFA45	95	254	4 x 14	-	771	470	335	DN125-DN200	56
MFA56	100	328	4 x 18	-	1061	579	350	DN250-DN400	124,5



Tipe	Diaphram area Cm2	Spring number	Max stroke (mm)	Air pressure (bar)	Max thrust (N)
MF/MFA22D	350	3~6	20	1,4	4800
MF/MFA22R				0	480
MF/MFA23R	350	3~6	30	1,4	5200
MF/MFA23D				0	920
MF/MFA34R	610	3~6	45	1,4	7800
MF/MFA34D				0	720
MF/MFA45R	1000	4~8	65	1,4	11000
MF/MFA45D				0	3840
MF/MFA56R	1300	4~7	110	1,4	15000
MF/MFA56D				0	5000



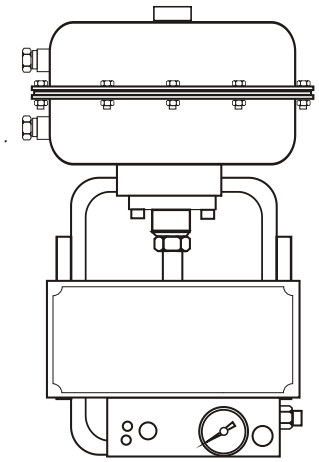
DVOPUTI



TROPUTI

KATALOŠKI BROJEVI REGULACIJSKIH VENTILA

OZNAKA **RV**	**X0.**	**1X.**	**0X**	**X**	OPIS
VRSTA	20.				dvoputi
	30.				troputi
NAZIVNI PRITISAK NP/ materijal		11.			16 bara / GG 20
		12.			25 bara / čelični
		14.			40 bara / čelični
		15.			16 bara / INOX
		16.			40 bara / INOX
		1Z.			prema zahtjevu
NAZIVNI HOD DN / PROTOK kvs/ Hod			0D		15 mm / 0,63 m^3/h / 10 mm
			0F		15 mm / 1,0 m^3/h / 10 mm
			0F		15 mm / 1,6 m^3/h / 10 mm
			0G		15 mm / 2,5 m^3/h / 10 mm
			0H		15 mm / 4,0 m^3/h / 15 mm
			0I		20 mm / 6.3 m^3/h / 15 mm
			0J		25 mm / 10 m^3/h / 15 mm
			0K		32 mm / 16 m^3/h / 15 mm
			0L		40 mm / 25 m^3/h / 15 mm
			0M		50 mm / 40 m^3/h / 15 mm
			0N		65 mm / 63 m^3/h / 40 mm
			0O		80 mm / 100 m^3/h / 40 mm
			0P		100 mm / 145 m^3/h / 40 mm
			0R		125 mm / 220 m^3/h
			0S		150 mm / 320 m^3/h
			0T		200 mm / 480 m^3/h
			0Z		prema zahtjevu
KARAKTERISTIKA PLADNJA				1	linarni protok
				2	linarni otvor



KATALOŠKI BROJEVI PNEUMATSKIH POGONA ZA REGULACIJSKE VENTILE

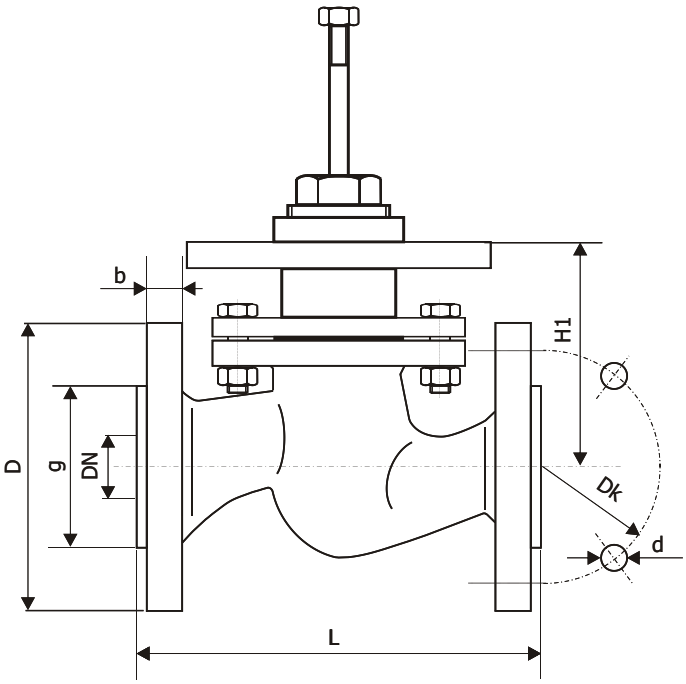
OZNAKA **PP**	**X0.**	**X**	**X.**	**A**	**X**	**X**	**X**	OPIS
VRSTA POGONA	20.							PNEUMATSKI
VELIČINA POGONA		A						300 cm²
		B						600 cm²
		C						1200 cm²
		Z						prema zahtjevu
BRZINA POGONA			A.					1 s / 100 %
UPRAVLJAČKI SIGNAL					1			Napon 220 V AC, tropolo. za el.pneum. on/off
					2			napon 24 V AC, tropolo. za el.pneum. on/off
					3			napon 0 - 10 V DC
					4			struja 4 - 20 mA
					5			napon 2 - 10 V DC
					6			0.2 - 1 bar
					Z			prema zahtjevu
DAVAČ POLOŽAJA						0		bez davača
						1		potenciometar 100 Ω
						2		strujni signal 4 - 20 mA
						3		naponski signal 0-10 V
						Z		prema zahtjevu
OGRANIČENJE HODA I SIGNALIZACIJA							0	Bez ograničenja/signalizaci.
							1	momentnim šalterom
							2	graničnim kontaktom
							4	kombinacija 1+2
							Z	prema zahtjevu

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DVOPUTI REGULACIJSKI VENTILI





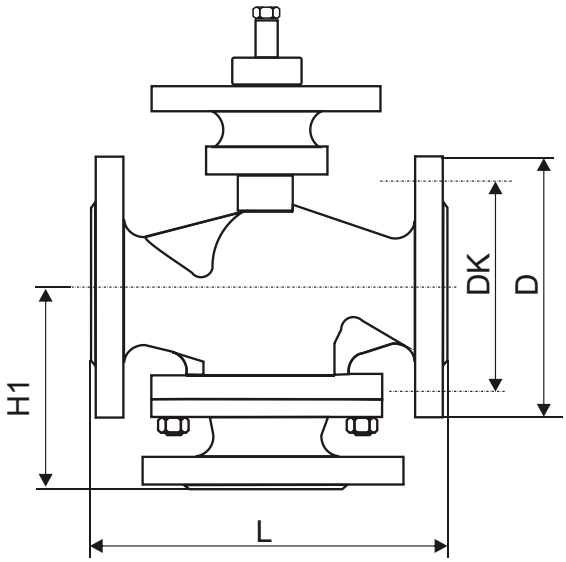
Nazivni pritisak **PN**	PN 16								
Nazivni otvor **DN**		15	20	25	32	40	50	65	80	100
L (mm)		130	150	160	180	200	230	290	310	350
D (mm)		95	105	115	140	150	165	185	200	220
Pneumatski pogon	300 cm2									
zatvaranja	600 cm2									
1,5 – 6 bara	1200 cm2									

Nazivni pritisak **PN**	PN 25								
Nazivni otvor **DN**		15	20	25	32	40	50	65	80	100
L (mm)		130	150	160	180	200	230	290	310	350
D (mm)		95	105	115	140	150	165	185	200	220
Pneumatski pogon	300 cm2									
zatvaranja	600 cm2									
1,5 – 6 bara	1200 cm2									

Nazivni pritisak **PN**	PN 40								
Nazivni otvor **DN**		15	20	25	32	40	50	65	80	100
L (mm)		130	150	160	180	200	230	290	310	350
D (mm)		95	105	115	140	150	165	185	200	220
Pneumatski pogon	300 cm2									
zatvaranja	600 cm2									
1,5 – 6 bara	1200 cm2									

DN (mm)	D (mm)	b (mm)	Dk (mm)	g (mm)	d (mm)	Broj rupa	L (mm)	H1 (mm)
15	95	14	65	45	14	4	130	100
20	105	16	75	58	14	4	150	100
25	115	16	85	68	14	4	160	105
32	140	18	100	78	18	4	180	113
40	150	18	110	88	18	4	200	117
50	165	20	125	102	18	4	230	125
65	185	20	145	122	18	4	290	150
80	200	22	160	138	18	8	310	160
100	220	24	180	158	18	8	350	
125	250	26	210	188	18	8	400	
150	285	28	240	212	23	8	480	
175	315				23	8	550	
200	340	24	295	268	23	12	600	
250	405	26	355	320	26	12	730	
300	460	28	410	378	26	12	850	

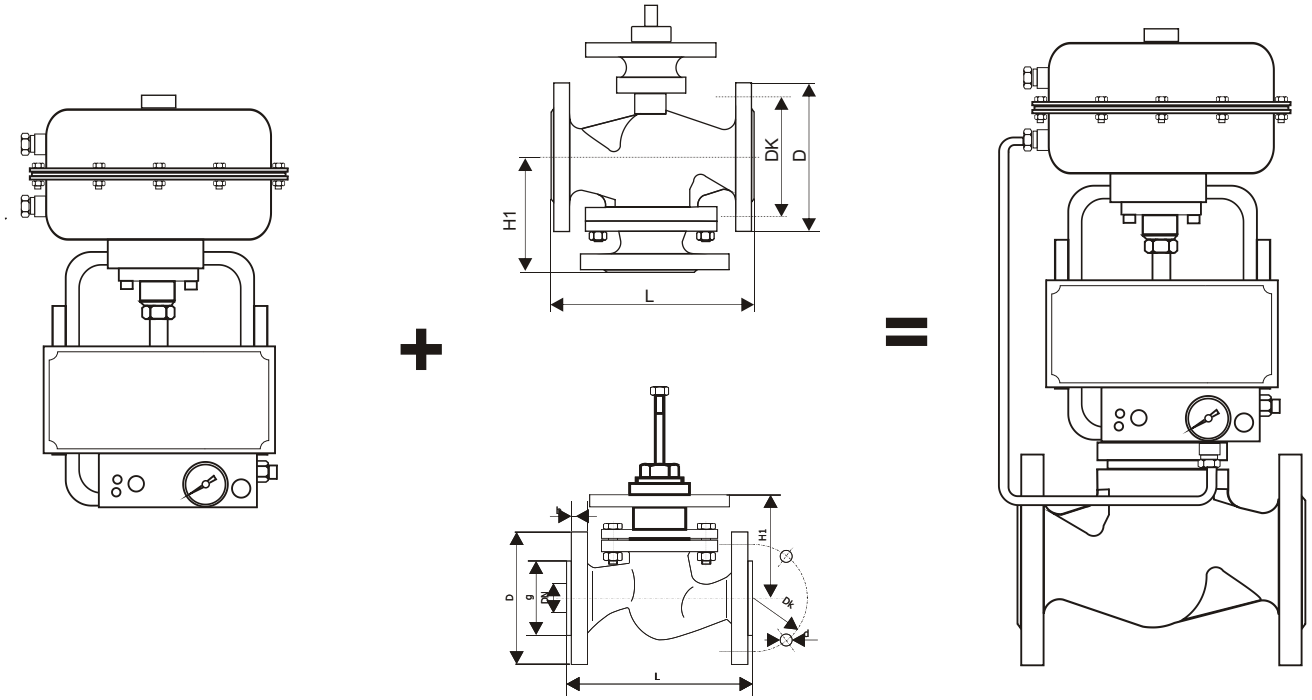
TROPUTI REGULACIJSKI VENTILI





Nazivni pritisak **PN**	PN 16								
Nazivni otvor **DN**		15	20	25	32	40	50	65	80	100
L (mm)		130	150	160	180	200	230	290	310	350
D (mm)		95	105	115	140	150	165	185	200	220
DK (mm)		65	75	85	100	110	125	145	160	180
H1 (mm)		65	75	80	90	100	115	145	155	175
H1 (mm) (prema zahtjevu)										
Pneumatski pogon	300 cm2									
zatvaranja	600 cm2									
1,5 – 6 bara										

KOMPLET REGULACIJSKI VENTILI S PNEUMATSKIM POGONOM



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