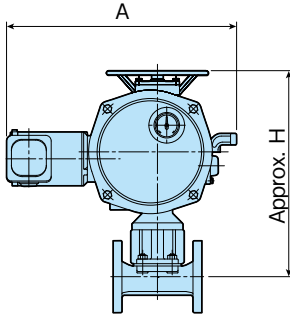


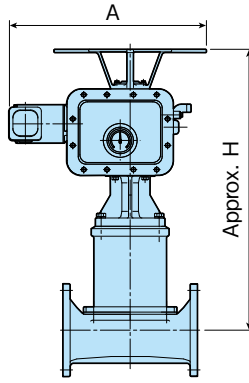
● Type MS4500 selection table

Power supply frequency			50Hz							60Hz						
Nominal Size DN	Actuator		Fluid pressure(MPa)							Fluid pressure(MPa)						
	Type	Output (kW)	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.1	0.2	0.3	0.4	0.5	0.6	0.7
25	MRS	0.1														
	MAS	0.2														
40	MRS	0.1														
	MAS	0.2														
50	MRS	0.1														
	MAS	0.2														
65	MRS	0.1														
	MAS	0.2														
80	MRS	0.1														
	MAS	0.2														
100	MRS	0.1														
	MAS	0.2														
125	MRS	0.1														
	MAS	0.2														
150	MRS	0.2														
	MAS															
200	MBS	0.75														
	MCS															
250	MCS	0.75														
		1.5														
300	MCS	1.5														
	MDS															

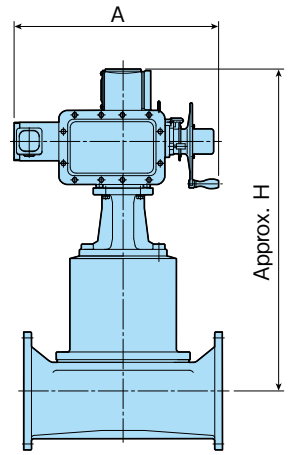
● Type MS4500 principal dimensions



Type MRS



Type MAS/MBS



Type MCS/MFS

Nominal Size DN	Actuator		Principal dimensions (mm)				Stroke (mm)	Operating time (sec)		Mass approx. (kg)
	Type	Output (kW)	Face-to-face		A	Approx. H		ON-OFF valve	ON-OFF valve	
			Other than rubber-lined	Rubber-lined			50Hz			
25	MRS	0.1	127	132	430	440	25	28	23	53
	MAS	0.2			587	545		27	22	70
40	MRS	0.1	159	165	430	440	25	28	23	55
	MAS	0.2			587	545		27	22	72
50	MRS	0.1	191	197	430	450	30	25	21	59
	MAS	0.2			587	555		24	20	76
65	MRS	0.1	216	222	430	475	35	29	25	64
	MAS	0.2			587	580		28	24	81
80	MRS	0.1	254	260	430	520	50	34	28	73
	MAS	0.2			587	625		32	27	90
100	MRS	0.1	305	313	430	545	50	34	28	83
	MAS	0.2			587	670		32	27	100
125	MRS	0.1	356	364	430	640	70	47	41	98
	MAS	0.2			587	765		45	38	
150	MRS	0.2	406	414	430	730	110	74	62	118
	MAS				587	855		71	59	135
200	MBS	0.75	521	529	625	860	110	53	44	225
	MCS				800	960		83	69	270
250	MCS	0.75	635	645	800	1160	160	90	75	325
		1.5			837			57	48	330
300	MCS	1.5	749	759	837	1195	190	68	57	535
	MDS				934	1260		78	65	575

Remarks: Dimension A and mass are for a motor without the brake.