

Fig. 620 Air Fail Open

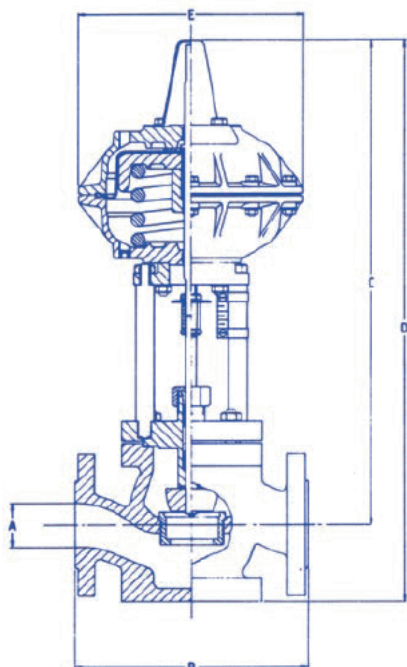


Fig. 640 Air Fail Closed

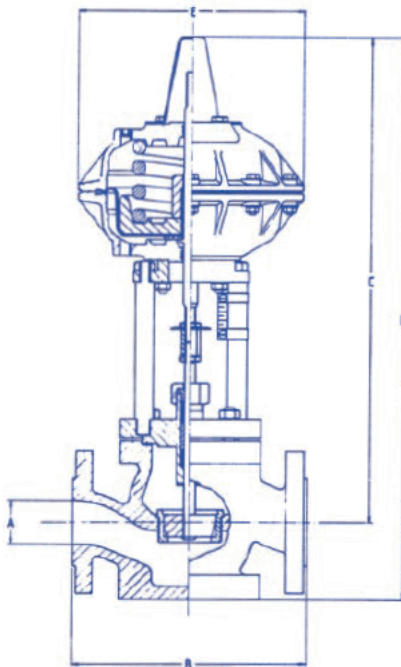
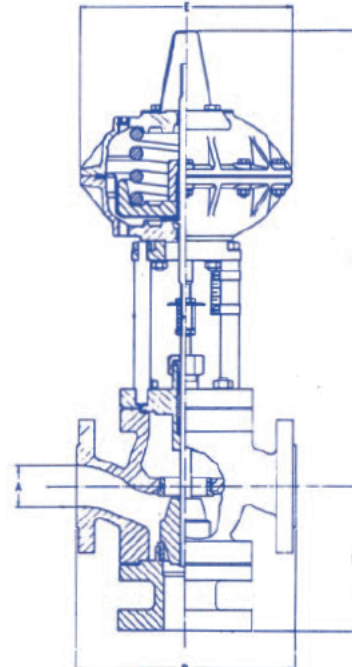
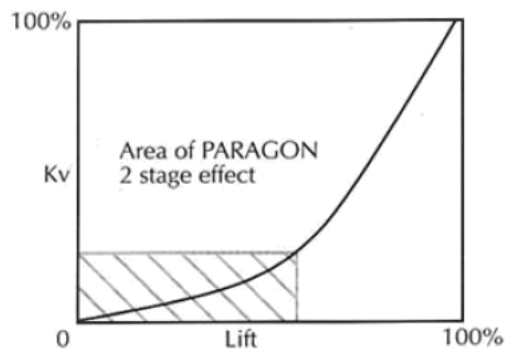


Fig. 660/680 3-way



A Size	Actuator Size (cm ²)	B	C	D	E	F	Weight (kg)	
							2-way	3-way
DN15 (1/2")	250	197	537	575	257	150	20	22
DN20 (3/4")	250	197	537	575	257	150	20	22
DN25 (1")	250	197	537	590	257	150	20	22
DN40 (1 1/2")	250	235	555	640	257	177	32	35
DN50 (2")	250	267	555	640	257	177	34	40
DN65 (2 1/2")	250	292	555	651	257	182	44	50
DN80 (3")	500	317	849	956	334	220	85	95
DN100 (4")	500	368	864	995	334	235	90	102
DN150 (6")	500	473	902	1130	334	310	150	165



The basic characteristic is equal percentage but the PARAGON trim greatly extends the control capability at valve plug lifts up to 50% of full travel. See shaded area.

Table 1. Kv Values.

VALVE SIZE (mm)	Flow capacity Kv								
	15	20	25	40	50	65	80	100	150
Trim A	3.5	6.4	10.0	24.0	34.0	62.0	100	160	330
Trim B	1.5	1.5	6.4	6.4	10.0	24.0	62	100	160
Trim C			1.5	1.5	6.4	10.0	38	62	100

Table 2a Differential Pressures, Flow-to-open, Spring-to-close (AFC)

VALVE SIZE (mm)	Valve shut-off Capability (Barg)								
	15	20	25	40	50	65	80	100	150
125 Actuator (2 Barg)	48	32	21	8	—	—	—	—	—
250 Actuator (3 Barg)	—	—	48	20	15	6	—	—	—
500 Actuator (3.5 Barg)	—	—	—	—	—	18	12.0	7.5	3.0

Pressures in brackets refer to min. air supply required to operate the actuator.

Table 2b. Differential Pressures, Flow-to-open, Spring-to-open (AFO)

VALVE SIZE (mm)	Valve shut-off Capability (Barg)								
	15	20	25	40	50	65	80	100	150
STD. ACTUATOR	125 cm ²			250 cm ²			500 cm ²		
Actuator Supply									
3 Bar AIR	48	27	18	—	—	—	—	—	—
4 Bar AIR	48	48	40	18	11	6.8	5.1	3.1	1.2
5 Bar AIR	48	48	48	36	22	13.5	14.5	9.2	3.9
6 Bar AIR	48	48	48	48	33	20.3	24.0	15.2	6.7

Table 2c. Differential Pressures, Flow-to-close, Spring-to-close (AFC)

VALVE SIZE (mm)	Valve shut-off Capability (Barg)		
	80	100	150
STD. ACTUATOR	500 cm ²		
Actuator Supply			
4 Bar AIR	5.7	3.3	1.2
5 Bar AIR	16.2	9.8	4.1
6 Bar AIR	26.6	16.2	6.8