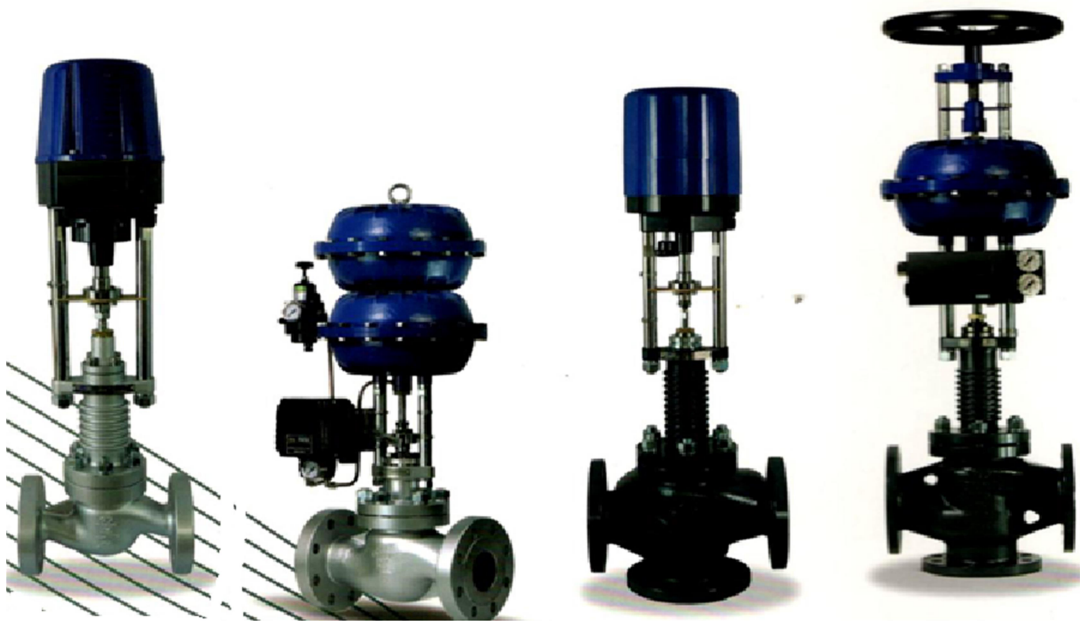




DAVS GEMINI VALVES PVT LTD

Globe Control valve

Fluid Control for Sustainable Future



Brief Introduction

DAVS GEMINI is a high-tech company which professionally Design. Develops and produces ranges of automatic control valves and pneumatic actuator . for years .DAVSGEMINI his instituted to manage the quality control systems to meet the requirements of ISO 9001:2008, which assure all our products and services provided will meet , At DAVSGEMINI . we believe in youthful power and creativity to establish our our reliable quality and service our products are widely applied in various industrial fields , like paper making chemicals , environmental production ,light industry pharmacy , building automation . oil & gas.

DAVS-8012 Pneumatic/DAVS-28 Electric Actuated Two Way Control Valve

DAVS-8013 Pneumatic/DAVS-38 Electric Actuated Three Way Control Valve



DAVS-8112 TWO WAY



DAVS-8512 TWO WAY



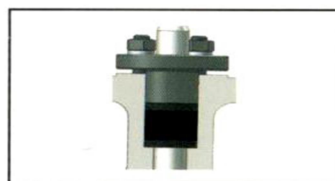
DAVS-8113 THREE WAY



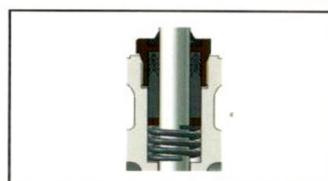
DAVS-8513 THREE WAY

Technical Data		
Model	Nominal Diameter	Nominal Pressure
DAVS-28/DAVS-28	DN15 - DN200	PN10-PN100
	½''- 8''	ANSI150-ANSI1600
DAVS-38/DAVS-38	DN25 - DN150	PN10 - PN16
Body Material		
DAVS-28/DAVS-28	Carbon Steel SA216,WCB,SA217,WCB,SA217WC9	
	Stainless Steel SA351CF8. SA351CF8M	
DAVS-38/DAVS-38	Ductile Iron GGG-40.3 / EN-GJS-400-18	
Flow Characteristic		
DAVS-28/DAVS-28	Linear	
	Equal Percentage	
DAVS-38/DAVS-38	Linear	
Other Sizes and Pressure ratings on request		

STEM SEALING



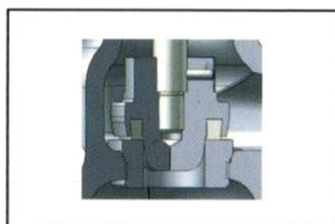
Pure graphite packing
60% to 650%



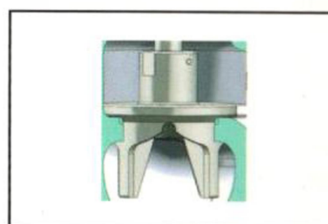
Spring loaded PTFE V-ring unit
25% to 250%



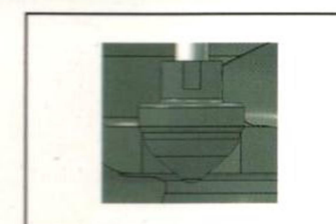
Stainless steel bellows seal



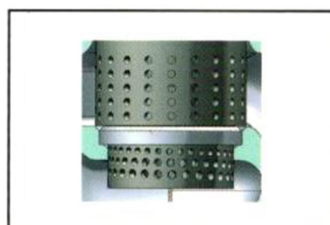
Parabolic plug with PTFE
soft sealing



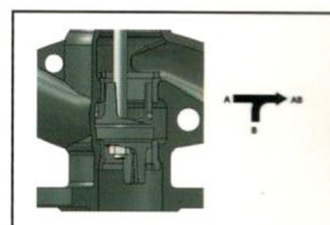
Port and post guiding
V plug (hardened)



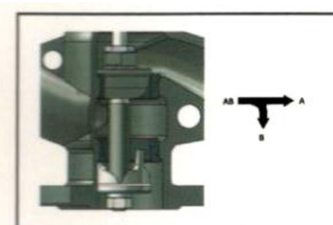
Post guiding parabolic
plug(hardened)



Perforated plug with
multihole cage

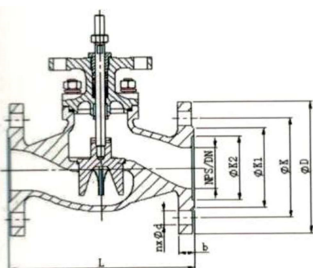


Three way mixing plug

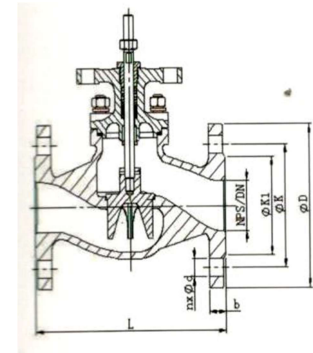


Three way diverting plug

Two Way Control Valve Installation Dimensions (PN / ANSI)



NPT		½"	¾"	1"	1 ¼"	1 ½"	2"	2 ½"	3"	4"	5"	6"	8"
ANSI 150	D	898	98	108	118	127	152	178	190	229	254	279	343
	K	60.5	70	79.5	89	98.5	120.5	139.5	152.5	190.5	216	241.5	298.5
	n-d	4-16	4-16	4-16	4-16	4-16	4-19	4-19	4-19	8-19	8-23	8-23	8-23
	b	11	13	14	16	18	19	24	24	24	24	25	29
	L	108	117	127	140	165	203	216	241	292	356	406	495
ANSI 300	D	95	117	124	133	156	165	191	210	254	279	318	381
	K	66.5	82.5	89	98.4	114.5	127	149	168	200	235	270	330
	n-d	4-16	4-19	4-19	4-19	4-22	8-19	8-23	8-23	8-23	8-23	12-23	12-25
	b	14	16	17	19	21	22	25	29	32	35	37	41
	L	152	178	203	216	229	267	292	318	356	400	444	559
ANSI 600	D	95	117	124	133	156	165	191	210	273	330	356	420
	K	66.5	82.5	89	98.4	114.5	127	149	168	216	267	292	349
	n-d	4-16	4-19	4-19	4-19	4-22	8-19	8-22	8-22	8-26	8-29	12-29	12-32
	b	14	16	17.5	21	22	25.5	28.5	32	38	44.5	47.5	55.5
	L	165	190	216	229	241	292	330	356	432	508	559	660
Measurement (MM)		PN15	PN20	PN25	PN32	PN40	PN50	PN65	PN80	PN100	PN125	PN150	PN200
PN10	D	95	105	115	140	150	165	185	200	220	250	285	340
	K	65	75	85	100	110	125	145	160	180	210	240	295
	n-d	4-14	4-14	4-14	4-18	4-18	4-18	4-18	8-18	8-18	8-18	8-22	8-22
	b	14	16	16	18	18	20	20	20	22	22	24	24
	L	130	150	160	180	200	230	292	312	352	400	480	600
PN16	D	95	105	115	140	150	165	185	200	220	250	285	340
	K	65	75	85	100	110	125	145	160	190	220	250	295
	n-d	4-14	4-14	4-14	4-18	4-18	4-18	4-18	8-18	8-22	8-26	8-26	12-22
	b	14	16	16	18	18	20	20	20	22	22	24	24
	L	130	150	160	180	200	230	292	312	352	400	480	600
PN25	D	95	105	115	140	150	165	185	200	235	270	300	360
	K	65	75	85	100	110	125	145	160	190	220	250	310
	n-d	4-14	4-14	4-14	4-18	4-18	4-18	8-18	8-18	8-22	8-26	8-26	12-26
	b	14	16	16	18	18	20	22	24	24	26	28	30
	L	130	150	160	180	200	230	292	312	352	400	480	600
PN40	D	95	105	115	140	150	165	185	200	235	270	300	375
	K	65	75	85	100	110	125	145	160	190	220	250	320
	n-d	4-14	4-14	4-14	4-18	4-18	4-18	8-18	8-18	8-22	8-26	8-26	12-30
	b	16	18	18	18	18	20	22	24	24	26	28	34
	L	130	150	160	180	200	230	292	312	352	400	480	600
PN63	D	105	130	140	155	170	180	205	215	250	295	345	415
	K	75	90	100	110	125	135	160	170	200	240	280	345
	K2	40	51	58	66	76	88	110	121	150	176	204	260
	n-d	4-14	4-18	4-18	4-22	4-22	4-22	8-22	8-22	8-26	8-30	8-33	12-36
	b	20	20	24	24	26	26	26	28	30	34	36	42
	L	165	190	216	229	241	292	330	356	432	508	559	660



DAVSGENINI Linear Electric Actuator

Features:

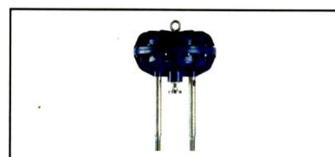
- 1) Adopt synchronous motor to maintain constant and stable output force, with three levels speed adjusting options. Ensuring high level of applicability and reliability .
- 2) Intelligent configuration with tow ways communication .Analogue input signal of 4-20mA or PID (please specify when ordering) from the instruments is acceptable , in order to carry out 0-100% valve stroke correspondingly .Feedback signal of 4-20mA can be sent out simultaneously for effective valve s position monitoring .
- 3) Four characters LED panel displays the actual positive of the valve .Travel limits or input signal can be set up easily which minimizes overshooting effectively and provides dependable and high accuracy control .
- 4) Self-diagnostic alarm systems offers protection against motor overheating. Travel overshooting, trust limiting and instantaneous travel reversal . Operation records can be provided for easy maintenance
- 5) Fall-safe function operates the valve towards preset position in case of input signal failure , thus safety is guaranteed .
- 6) Resilient coupling ensures tight valve closure .
- 7) An easy to operated and reliable manual override hand wheel provides emergency closing or opening of the valve in case of power failure ;
- 8) Housing meets IP65 requirements which can be used in rugged industrial environments ,



DAVSGENINI Technical Data

Thrust (KN)	2	3	4	6	8	10	12	14	16	18	20	25
Operating Speed (mm/s)	0.3/0.6/1.2						0.3/0.6					
Stroke (mm)	40						60					
Power Supply	AC110V 50/60Hz / AC220V 50/60Hz / DC 24V (if other range is needed, please enquire)											
Power Consumption (VA)	20						40					
Torque Switch	2Pcs.fixed exchange capacity 10A 205V											
Travel Switch	2Pcs.fixed exchange capacity 10A 205V											
Input Signal	4-20mA, the input of the load impedance <100 Ω (if other range nedded , please enquire)											
Output Signal	4-20mA, the input of the load impedance <350 Ω (if other range nedded , please enquire)											
Signal of Ptentiometer	0-1k Ω											
Max. Transistor Output	30VDC , 30mA											
Sensitivity (%)	0.1-5											
Lagging	50% of sensitivity											
Communication protocol	Rs485 Mobus (if other range is needed , please enquire)											
Max. Cable Diameter (mm)	8											
Enclosure EN60529	IP65											
Ambient Temp.	-20°C - 60°C											

Linear Pneumatic Actuator DavsGemini Series



DAVS-190

Diameter 190mm,Area 280cm²

DAVS-260

Diametre260mm,Area 530cm²

DAVS-260

Diameter 260mm,Area 530cm²

DAVS-260X2

Diametre260mm,Area 1060cm²

DAVS-350

Diameter 350mm,Area 960cm²

DAVS-350X2

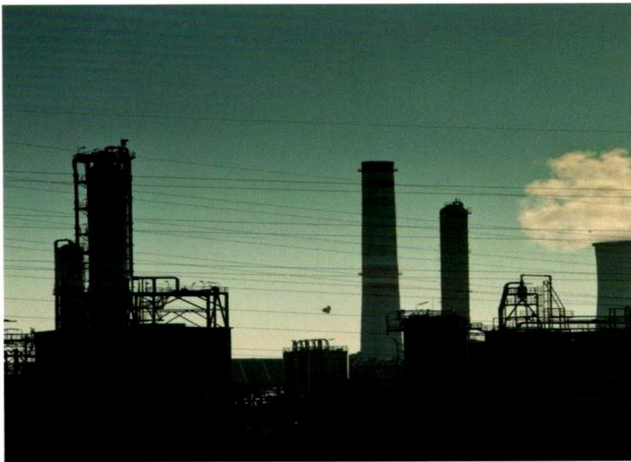
Diametre350mm,Area 1980cm²

DAVSGEMINI Series linear Pneumatic Actuator Size Selection Table

Air to Open			DN		15	20	25	32	40	50	65	80	100	125	150	200
			NPT		½"	¾"	1"	1 ¼"	1 ½"	2"	2 ½"	3"	4"	5"	6"	8"
Model	Spring	Qty	Max. Stroke(mm)	Air Bar	Closing Pressure (Bar)											
DAVS-190	40*22*80	3	20	1.3	60.8	34.2	21.9	13.4	7.8	4.5						
		4		1.7	81.1	45.6	29.2	17.8	10.3	6.0						
		6		2.4	121.7	68.4	43.8	26.7	15.5	9.0						
	40*20*80	3	20	2.5	128.3	72.2	46.2	28.2	16.4	9.5	2.7					
		4		3.4	171.1	96.2	61.6	37.6	21.8	12.7	3.6					
		6		5.0		44.4	92.4	56.4	32.7	19.1	5.4					
	40*20*100	3	28	2.5			68.6	41.9	16.8	9.8	5.0	3.5				
		4		3.4			91.5	55.9	22.4	13.1	6.7	4.6				
		6		5.0			137.3	83.8	33.7	19.6	10.0	6.9				
	40*20*125	3	33	2.5			65.5	40.0	23.2	13.5	5.4	3.8				
		4		3.4			87.3	53.3	30.9	18.0	7.2	5.0				
		6		5.0			130.9	79.9	46.4	27.1	10.8	7.5				
DAVS-260	50*25*150	3	35	2.1				75.6	39.0	22.7	13.0	9.0	4.8			
		4		2.7				100.8	52.0	30.3	17.4	12.1	6.4			
		6		4.1				151.2	78.0	45.5	26.0	18.1	9.5			
	50*25*175	3	40	2.1					41.7	24.3	13.4	9.3	5.7			
		4		2.7					55.7	32.5	17.8	12.4	7.6			
		6		4.1					83.5	48.7	26.8	18.6	11.4			
DAVS-260*2	50*25*150	8	35	2.7					104.0	60.7	34.7	24.1	12.7	4.8	3.3	
		10		3.5					130.0	75.8	43.4	30.1	15.9	6.0	4.2	
		12		4.1					156.0	91.0	52.1	36.2	19.1	7.2	5.0	
	50*25*175	8	40	2.7					111.3	64.9	35.7	24.8	15.2	7.2	5.0	
		10		3.5					139.1	81.1	44.6	31.0	19.1	9.1	6.3	
		12		4.1					167.0	97.4	53.5	37.2	22.9	10.9	7.6	
DAVS-350*2	60*30*175	6	45	1.7						70.1	41.3	28.7	15.7	7.8	5.4	
		8		2.2						93.5	55.0	38.2	20.9	10.4	7.2	
		10		2.7						116.8	68.8	47.8	26.1	13.0	9.1	
		12		3.3						140.2	82.5	57.3	31.4	15.7	10.9	
	60*30*200	6	50	1.7						73.6	44.1	30.6	17.1	9.6	6.7	2.9
		8		2.2						98.1	58.8	40.9	22.9	12.8	8.9	3.8
		10		2.7						122.6	73.5	51.1	28.6	16.0	11.1	4.8
		12		3.3						147.1	88.2	61.3	34.3	19.2	13.3	5.7
	70*38.5*200	6	55	2.1							55.4	38.5	21.5	12.0	8.4	3.6
		8		2.7							73.8	51.3	28.7	16.0	11.1	4.8
		10		3.5							92.3	64.1	35.9	20.1	13.9	6.0
		12		4.1							110.8	76.9	43.0	24.1	16.7	7.2
	70*38.5*250	6	60	2.1								40.3	24.8	14.2	9.9	4.7
		8		2.7								53.8	33.1	19.0	13.2	6.2
		10		3.5								67.2	41.3	23.7	16.5	7.8
		12		4.1								80.6	49.6	28.4	19.8	9.3

APPLICATIONS

Suitable for water , steam and thermal oil in all industrial areas including textile dyeing and finishing machinery . petrochemical ,oil and gas ,municipal water supply , waste water treatment .power plant pulp and paper , food and beverage, oleochemical , palm oil refinery , pharmaceutical , shipbuilding, etc,





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REGD.OFFICE

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