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TECHNOLOGY GROUP

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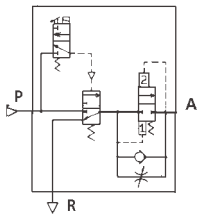
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SOFT START-UP VALVE
SERIES (N)AV 2000, 3000, 4000 ¼, ⅜, ½"

- Combined Soft Start and Dump Valve
- Compatible with Modular Series FRL
- Large Cv Factor
- Low Power
- Air Supply and Exhaust can be operated manually

SYMBOLS







The NAV valve pictured together with an NAW series Filter/Regulator and an NAN series Silencer. (To order these items, see Air Preparation section {NAW} and Valves section {NAN}

TECHNICAL SPECIFICATIONS

Model			NAV2000	NAV3000	NAV4000
Port Size			¼	⅜	½
Proof Pressure			1.5MPa / 220PSI		
Operating Pressure Range			1MPa / 145PSI		
Pressure Gauge Port Size			⅛		
Ambient and Fluid Temperature			0 ~ 60°C* / 32~140°F		
CV Factor		P→A	1.19	2.20	3.60
		A→R	1.39	2.89	4.49
Weight (kg)			0.27	0.48	0.74
Electrical Spec	Coil Rated Voltage		110, 240V AC (50/60Hz); 12, 24V DC		
	Allowable Voltage Fluctuation		-15% to +10% of rated voltage		
	Coil Insulation Type		Type B equivalent (130°C)		
	Apparent Power AC (Power Consumption)	Inrush	5.6VA (50Hz)		
		Holding	3.4VA (2.1W)/50Hz		
	Power Consumption DC		1.8W		
	Electrical Connector		DIN 43650 (industrial form)		
	Semi-Standard Spec		With indicator light and surge voltage suppressor		
Pilot Valve Manual Override			Non-locking push type		

*Use dry air when temperature is low.

HOW TO ORDER SOFT START-UP VALVE

(N)AV ○ 00 — ○ ○ — ○ — D ○

- ..... Japanese
N ..... North American

BODY SIZE
20 ... ¼
30 ... ⅜
40 ... ½

PORT THREAD
- ..... Rc(PT)* Remove (N) when ordering
F ..... G(PF)* Remove (N) when ordering
N ..... NPT

PORT SIZE
02 ... ¼ (NAV2000 only)
03 ... ⅜ (NAV3000 only)
04 ... ½ (NAV4000 only)

COIL RATED VOLTAGE
3 ..... 110V AC (50/60Hz)
4 ..... 240V AC (50/60Hz)
5 ..... 24V DC
6 ..... 12V DC

INDICATOR LIGHT AND SURGE VOLTAGE SUPRESSOR
- ..... None
S ..... With surge voltage suppressor only
Z ..... With Indicator light and surge voltage suppressor

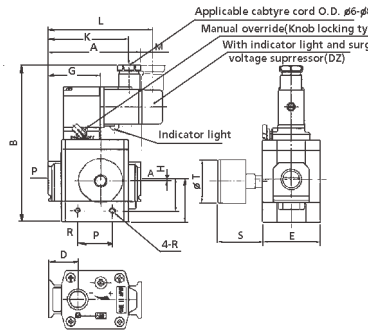
DIMENSIONS
SEE NEXT PAGE ☞

SEE INSIDE FRONT COVER FOR DETAILS OF YOUR LOCAL SALES OFFICE



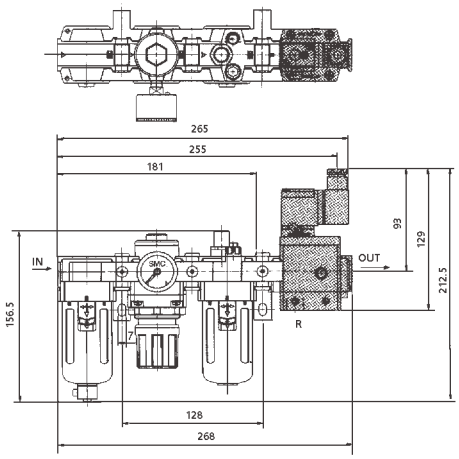
FOR FURTHER TECHNICAL DETAILS ON THIS PRODUCT REQUEST CATALOG REFERENCE
E5G & N5-G1

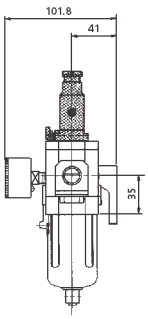
DIMENSIONS
DIN CONNECTOR



Model	Port size	A	B	C	D	E	Pressure gauge Mounting port F	G	H	I	J	K	L	M	N	P	Q	R
NAV2000-☐02-☐D	1/4	66	125.5	31	22	40	1/8	38	0	—	—	67.5	—	10.5	—	29	23.5	M4X0.7 depth 4.5
NAV2000-☐02-☐DZ												—	84.5	27.5				
NAV3000-☐03-☐D	3/8	76	132.5	36	24	48	1/8	43	2	—	—	70.5	—	3.5	—	28	27.5	M5X0.8 depth 5
NAV3000-☐03-☐DZ												—	87.5	20.5				
NAV4000-☐04-☐D	1/2	98	147.5	47	32	52	1/8	57	3	—	—	82.5	—	—	—	42	37	M6X1 depth 6
NAV4000-☐04-☐DZ												—	99.5	10.5				

DIMENSIONS
EXAMPLE OF NAC3000 + SOFT START-UP VALVE





Safety Note

1. This valve cannot prevent cylinders shooting out when a closed-center solenoid valve is used, or equipment driving with a load factor of 50% or more.
2. When a regulator is to be mounted on the secondary side, use a check valve regulator (NAR**60). Standard regulators (NAR2000, 3000, 4000) do not allow large volume back-flow.
3. Mount a lubricator, as necessary, on the primary side (P port side) of the valve. When the lubricator is mounted on the secondary side (A port side), oil back-flows and is exhausted from port R.

FOR FURTHER TECHNICAL DETAILS ON THIS PRODUCT REQUEST CATALOG REFERENCE
E5G & N5-G1

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