Valve 2/2 way - angle seat/process valve N.O. - Flow direction below the seat - pneumatically operated - with electrical position indicators

21IA4T15NA2-IP1 ÷ 21IA9T50NA2-IP1

PRESENTATION:

- Hight flow rate due to the angle seat configuration.
- Anti-water hammer feature with the fluid entry below the seat.
- Electrical operation is easy with the addition of a solenoid pilot.
- Stainless steel body and corrosion resistant actuator.
- The pneumatic actuator can be rotated through 360 degrees.
- Optical position indicator.
- Internal seals are self adjusting for long life.
- Easily convertible from N.C. to N.O. or double acting.
- Universal mounting - any mounting orientation is acceptable

USE:

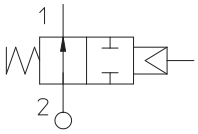
Automation, Heating, Water, Hot water, Steam (180°C), Aggressive and food fluids

PIPES:

1/2 NPT - 2 NPT

VALVE FEATURES:

Fluid Temperature	- 40°C + 180°C
Ambient temperature	- 10°C + 80°C
Viscosity of the fluid	max 600 cSt
Material	Stainless steel AISI series 316
Seal	PTFE
Packing gland	PTFE, FKM



PILOT ACTUATOR FEATURES:

Fluid	Dry Air or lubrificated, gas and neutral fluids
Fluid Temperature	max + 60°C
Body	Polyamide 66 with 30% glass fibre
Gaskets	NBR
Actuator	Ø 70

Pipe ANSI/ASME BI.20.1	Code	Ø mm	Kv	Actuator pilot pressure (bar)		Differential pressure (bar)		Max. allowable pressure	Weight
			l/mn	min	max	min	max	PS (bar)	Kg
1/2 NPT	21IA4T15NA2-IP1	15	80	1,5	10	0	(See pressure graph)	40	1,2
3/4 NPT	21IA5T20NA2-IP1	20	150						1,3
1 NPT	21IA6T25NA2-IP1	25	190						1,6
1 1/4 NPT	21IA7T32NA2-IP1	32	340					25	2,2
1 1/2 NPT	21IA8T40NA2-IP1	40	430						2,5
2 NPT	21IA9T50NA2-IP1	50	620					16	3,7

CE

CE Approval

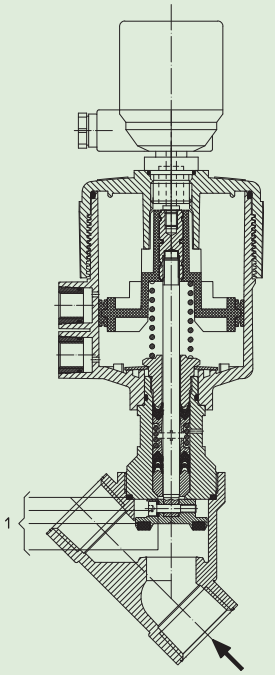
(Pressure Equipment Directive 2014/68/EU)

for Valve 21IA7..-IP1 ÷ 21IA9..-IP1

Note

Available on request pilot S.V. 31AN2AV20+BDA (see catalogue page) | Together with male thread nipple male 1/4 NPT - 1/4 NPT | Material compatibility with the fluids to be checked.

The “ODE ” reserves the right to carry out technical and aesthetic modifications without prior notice.

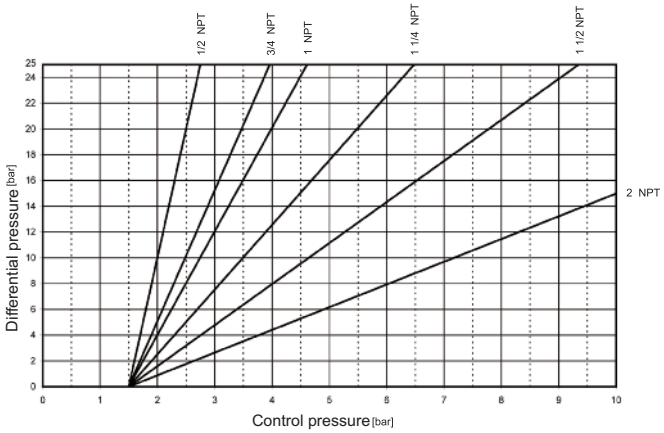


MAINTENANCE KIT:

1.

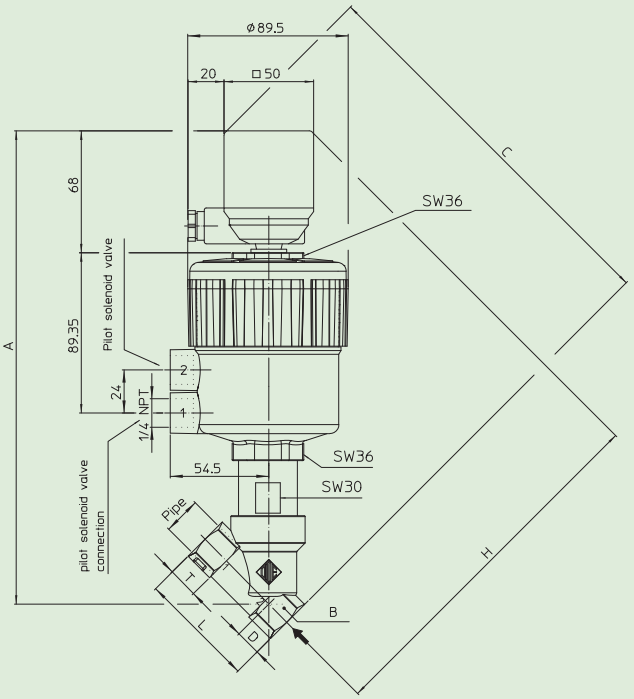
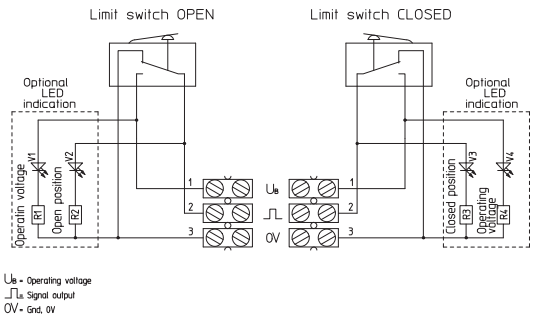
1/2 NPT	R500045
3/4 NPT	R500048
1 NPT	R500051
1 1/4 NPT	R500054
1 1/2 NPT	R500057
2 NPT	R500060

Operating pressure



DIMENSIONS:

Pipe ANSI/ASME BI.20.1	A mm	B mm	C mm	D mm	H mm	L mm	T mm
1/2 NPT	206,8	SW 27	178,7	15,4	163,3	65	17
3/4 NPT	211,7	SW 32	188,6	21,9	166,7	75,5	19
1 NPT	220,1	SW 41	197,8	25,1	172,7	90	21
1 1/4 NPT	235,9	SW 50	212,3	28,5	183,8	110	24
1 1/2 NPT	238,9	SW 55	217,0	31,0	186	122	25,2
2 NPT	247,8	SW 70	229,7	37,5	192,2	151	28,5



Connection diagram