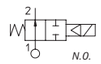
21IA N.O.

Valve 2/2 Way - Flow Direction Below Seat - Angle Seat Pilot Valve Pneumatically Actuated



FEATURES

- Angle seat for high flow rate configuration
- Long life cycles
- N.C. and N.O. convertible after the delivery
- Flow below and above the the piston
- Service free solution
- Anti hummer effect

TECHNICAL SPECIFICATION

- **VALVE FEATURES**
  Fluid Temperature: -10°C +180°C
  Environment temperature: -10°C +60°C
  Material: Stainless Steel AISI 316 series
  PTFE, FKM packing gland
- **PILOT ACTUATOR FEATURES**
  Media: Dry Air or lubrificated, gas and neutral fluids
  Fluid Temperature: max +60°C
  Body: Polyamide 66 with 30% glass fibre
  NBR Gaskets
  Actuator Ø 70
  Self adjusting Teflon seat

AVAILABLE ON REQUEST

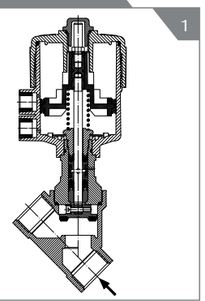
- Pilot Valve 31A2AV20+BDA (see 31A catalogue page)
- Position indicator
- Bistable version
- Water piloting system

(Pressure Equipment Directive 97/23/CE) for S.V. 21IA7 ÷ 21IA9

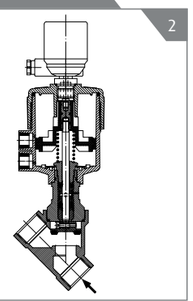
21IA	4	T	15		G	A	2
Model valve	5= G 3/4 - NPT 3/4 6= G 1 - NPT 1 7= G 1 1/4 - NPT 1 1/4 8= G 1 1/2 - NPT 1 1/2 9= G 2 - NPT 2	T= PTFE	15 20 25 32 40 50	Orefice 10^{-1}mm	G= GAS N= NPT	A= N.O.	Actuator connection

PIPE	Ø (mm)	Kv (l/min)	ACTUATOR PILOT PRESSURE (bar)		DIFFERENTIAL PRESSURE (bar)		MAX ALLOWABLE PRESSURE	GAS CODE	NTP CODE	WEIGHT	DRAWING REFERENCE
			min	max	min	max	PS (bar)			kg	
Normally Closed											
G 1/2	15	80	1,5	10	0	(See graphic n. 1)	40	21IA4T15GA2	21IA4T15NA2	1,2	1
G 3/4	20	150	1,5	10	0		40	21IA5T20GA2	21IA5T20NA2	1,3	1
G 1	25	190	1,5	10	0		40	21IA6T20GA2	21IA6T20NA2	1,6	1
G1 1/4	32	340	1,5	10	0		25	21IA7T32GA2	21IA7T32NA2	2,2	1
G1 1/2	40	430	1,5	10	0		25	21IA8T40GA2	21IA8T40NA2	2,5	1
G 2	50	620	1,5	10	0		16	21IA9T50GA2	21IA9T50NA2	3,7	1
Normally Opened with electrical position indicators											
G 1/2	15	80	1,5	10	0	(See graphic n. 1)	40	21IA4T15GA2-IP1	21IA4T15NA2-IP1	1,2	2
G 3/4	20	150	1,5	10	0		40	21IA5T20GA2-IP1	21IA5T20NA2-IP1	1,3	2
G 1	25	190	1,5	10	0		40	21IA6T20GA2-IP1	21IA6T20NA2-IP1	1,6	2
G1 1/4	32	340	1,5	10	0		25	21IA7T32GA2-IP1	21IA7T32NA2-IP1	2,2	2
G1 1/2	40	430	1,5	10	0		25	21IA8T40GA2-IP1	21IA8T40NA2-IP1	2,5	2
G 2	50	620	1,5	10	0		16	21IA9T50GA2-IP1	21IA9T50NA2-IP1	3,7	2

Section 1



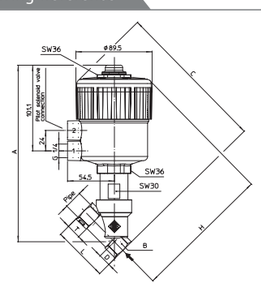
Section 2



INSTALLATION

- The solenoid valves can be mounted in any position
- Maintenance and instruction sheet available in each solenoid valve box

Drawing Reference 1



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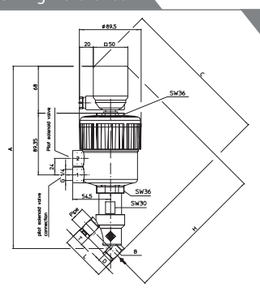

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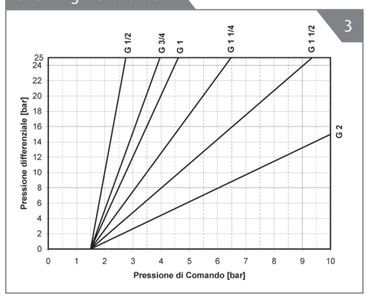
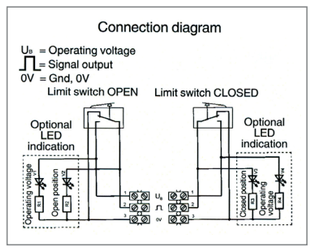


Dimensional Table

Figure	Pipe	A mm	B mm	C mm	D mm	E mm	H mm	L mm	T mm
1-2	G 1/2	206,8	Ch 27	178,7	15,4	Ch 30	163,3	65	17
	G 3/4	211,7	Ch 32	188,6	21,9	Ch 36	166,7	75,5	19
	G 1	220,1	Ch 41	197,8	25,1	Ch 36	172,7	90	21
	G 1 1/4	235,9	Ch 50	212,3	28,5	Ch 41	183,8	110	24
	G 1 1/2	238,9	Ch 55	217,0	31,0	Ch 41	186	122	25,2
	G 2	247,8	Ch 70	229,7	37,5	Ch 41	192,2	151	28,5



21IA N.C.

Valve 2/2 Way - Flow Direction Below Seat - Angle Seat Pilot Valve Pneumatically Actuated

FEATURES

- Angle seat for high flow rate configuration
- Long life cycles
- N.C. and N.O. convertible after the delivery
- Flow below and above the piston
- Service free solution
- Anti hummer effect

TECHNICAL SPECIFICATION

- **VALVE FEATURES**
  Fluid Temperature: -10°C +180°C
  Environment temperature: -10°C +60°C
  Material: Stainless Steel AISI 316 series
  PTFE, FKM packing gland
- **PILOT ACTUATOR FEATURES**
  Media: Dry Air or lubrificated, gas and neutral fluids
  Fluid Temperature: max +60°C
  Body: Polyamide 66 with 30% glass fibre
  NBR Gaskets
  Actuator Ø 70
  Self adjusting Teflon seat

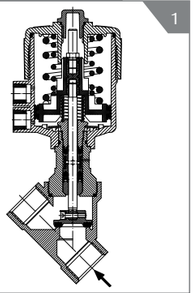
AVAILABLE ON REQUEST

- Pilot Valve 31A2AV20+BDA (see 31A catalogue page)
- Position indicator
- Bistable version
- Water piloting system

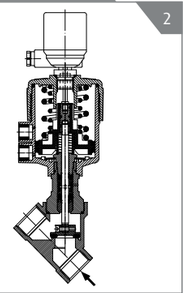
21IA	4	T	15		G	C	2
Model valve	5= G 3/4 - NPT 3/4 6= G 1 - NPT 1 7= G 1 1/4 - NPT 1 1/4 8= G 1 1/2 - NPT 1 1/2 9= G 2 - NPT 2	T= PTFE	15 20 25 32 40 50	Orefice 10^{-1}mm	G= GAS N= NPT	C= N.C.	Actuator connection

PIPE	Ø (mm)	Kv (l/min)	ACTUATOR PILOT PRESSURE (bar)		DIFFERENTIAL PRESSURE (bar)		MAX ALLOWABLE PRESSURE	GAS CODE	CODE NTP	WIGHT	DRAWING REFERENCE
			min	max	min	max	PS (bar)			kg	
Normally Closed											
G 1/2	15	80	4	10	0	16	40	21IA4T15GC2	21IA4T15NC2	1,4	1
G 3/4	20	150	4	10	0	10	40	21IA5T20GC2	21IA5T20NC2	1,5	1
G 1	25	190	4	10	0	10	40	21IA6T25GC2	21IA6T25NC2	1,8	1
G1 1/4	32	340	4	10	0	7	25	21IA7T32GC2	21IA7T32NC2	2,4	1
G1 1/2	40	430	4	10	0	4,5	25	21IA8T40GC2	21IA8T40NC2	2,7	1
G 2	50	620	4	10	0	3	16	21IA9T50GC2	21IA9T50NC2	3,9	1
Normally Closed high pressure											
G 1/2	15	80	5	10	0	35	40	21IA4T15GC2-H	21IA4T15NC2-H	1,4	1
G 3/4	20	150	5	10	0	25	40	21IA5T20GC2-H	21IA5T20NC2-H	1,5	1
G 1	25	190	5	10	0	20	40	21IA6T25GC2-H	21IA6T25NC2-H	1,8	1
G1 1/4	32	340	5	10	0	13	25	21IA7T32GC2-H	21IA7T32NC2-H	2,4	1
G1 1/2	40	430	5	10	0	8	25	21IA8T40GC2-H	21IA8T40NC2-H	2,7	1
G 2	50	620	5	10	0	5,5	16	21IA9T50GC2-H	21IA9T50NC2-H	3,9	1
Normally Closed high pressure with electrical position indicators											
G 1/2	15	80	5	10	0	35	40	21IA4T15GC2-HIP1	21IA4T15NC2-HIP1	1,4	2
G 3/4	20	150	5	10	0	25	40	21IA5T20GC2-HIP1	21IA5T20NC2-HIP1	1,5	2
G 1	25	190	5	10	0	20	40	21IA6T25GC2-HIP1	21IA6T25NC2-HIP1	1,8	2
G1 1/4	32	340	5	10	0	13	25	21IA7T32GC2-HIP1	21IA7T32NC2-HIP1	2,4	2
G1 1/2	40	430	5	10	0	8	25	21IA8T40GC2-HIP1	21IA8T40NC2-HIP1	2,7	2
G 2	50	620	5	10	0	5,5	16	21IA9T50GC2-HIP1	21IA9T50NC2-HIP1	3,9	2
Normally Closed with electrical position indicators											
G 1/2	15	80	4	10	0	16	40	21IA4T15GC2-IP1	21IA4T15NC2-IP1	1,4	2
G 3/4	20	150	4	10	0	10	40	21IA5T20GC2-IP1	21IA5T20NC2-IP1	1,5	2
G 1	25	190	4	10	0	10	40	21IA6T25GC2-IP1	21IA6T25NC2-IP1	1,8	2
G1 1/4	32	340	4	10	0	7	25	21IA7T32GC2-IP1	21IA7T32NC2-IP1	2,4	2
G1 1/2	40	430	4	10	0	4,5	25	21IA8T40GC2-IP1	21IA8T40NC2-IP1	2,7	2
G 2	50	620	4	10	0	3	16	21IA9T50GC2-IP1	21IA9T50NC2-IP1	3,9	2

Section 1



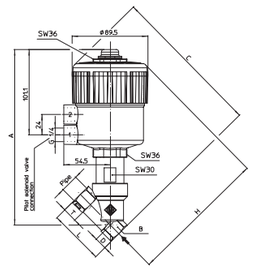
Section 2



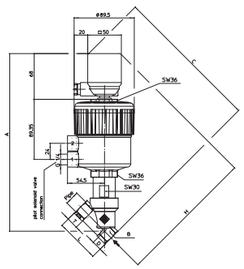
INSTALLATION

- The solenoid valves can be mounted in any position
- Maintenance and instruction sheet available in each solenoid valve box

Drawing Reference 1

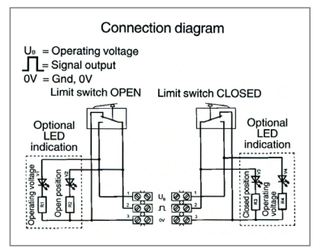


Drawing Reference 2



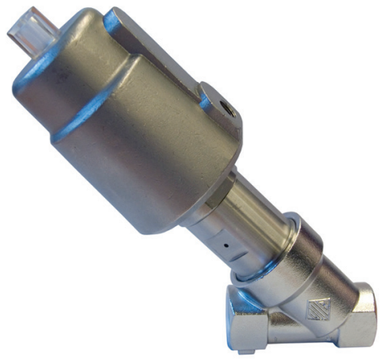
Dimensional Table

Figure	Pipe	A mm	B mm	C mm	D mm	E mm	H mm	L mm	T mm
1-2	G 1/2	206,8	Ch 27	178,7	15,4	Ch 30	163,3	65	17
	G 3/4	211,7	Ch 32	188,6	21,9	Ch 36	166,7	75,5	19
	G 1	220,1	Ch 41	197,8	25,1	Ch 36	172,7	90	21
	G 1 1/4	235,9	Ch 50	212,3	28,5	Ch 41	183,8	110	24
	G 1 1/2	238,9	Ch 55	217,0	31,0	Ch 41	186	122	25,2
	G 2	247,8	Ch 70	229,7	37,5	Ch 41	192,2	151	28,5



21IH-5 N.C.

Valve 2/2 Way - Flow Direction Below Seat - Angle Seat Pilot Valve



FEATURES

- Angle seat for high flow rate configuration
- Long life cycles
- Flow below and above the the piston
- Service free solution
- Anti hummer effect

TECHNICAL SPECIFICATION

- **VALVE FEATURES**
  Fluid Temperature: -10°C +180°C
  Environment temperature: -10°C +60°C
  Material: Stainless Steel AISI 316 series
  PTFE, FKM packing gland
- **PILOT ACTUATOR FEATURES**
  Media: Dry Air or lubrificated, gas and neutral fluids
  Fluid Temperature: max +60°C
  Body: Polyamide 66 with 30% glass fibre
  NBR Gaskets
  Actuator Ø 50
  Self adjusting Teflon seat

AVAILABLE ON REQUEST

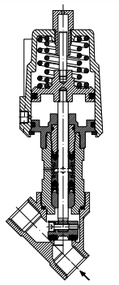
- Pilot Valve 31A2AV20+BDA (see 31A catalogue page)
- Position indicator
- Bistable version
- Water piloting system

21IA	4	T	15		G	C	1	-5
Model valve	4= G 1/2 5= G 3/4 6= G 3/4	T= PTFE	15 20 25	Orefice 10-1mm	G= GAS	C= N.C.	Actuator connection	Pilot version Ø 50

PIPE	Ø (mm)	Kv (l/min)	ACTUATOR PILOT PRESSURE (bar)		DIFFERENTIAL PRESSURE (bar)		MAX ALLOWABLE PRESSURE	GAS CODE	WEIGHT	DRAWING REFERENCE
			min	max	min	max	PS (bar)		kg	
G 1/2	15	80				25		21IA4T15GC1-5	1,6	1
G 3/4	20	150	5	8	0	15	40	21IA5T20GC1-5	1,7	1
G 1	25	190				10		21IA6T25GC1-5	2,1	1

Section

1

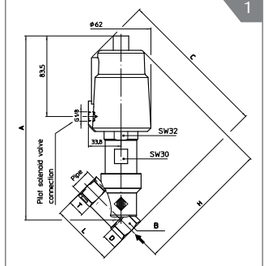


INSTALLATION

- The solenoid valves can be mounted in any position
- Maintenance and instruction sheet available in each solenoid valve box

Drawing Reference

1



Dimensional Table

Figure	Pipe	A mm	B mm	C mm	D mm	H mm	L mm	T mm
1-2	G 1/2	190,6	SW 27	156	15,4	139,7	65	17
	G 3/4	190,8	SW 32	162	21,4	139,8	75	19
	G 1	200,3	SW 41	168	25	146,6	90	20,5