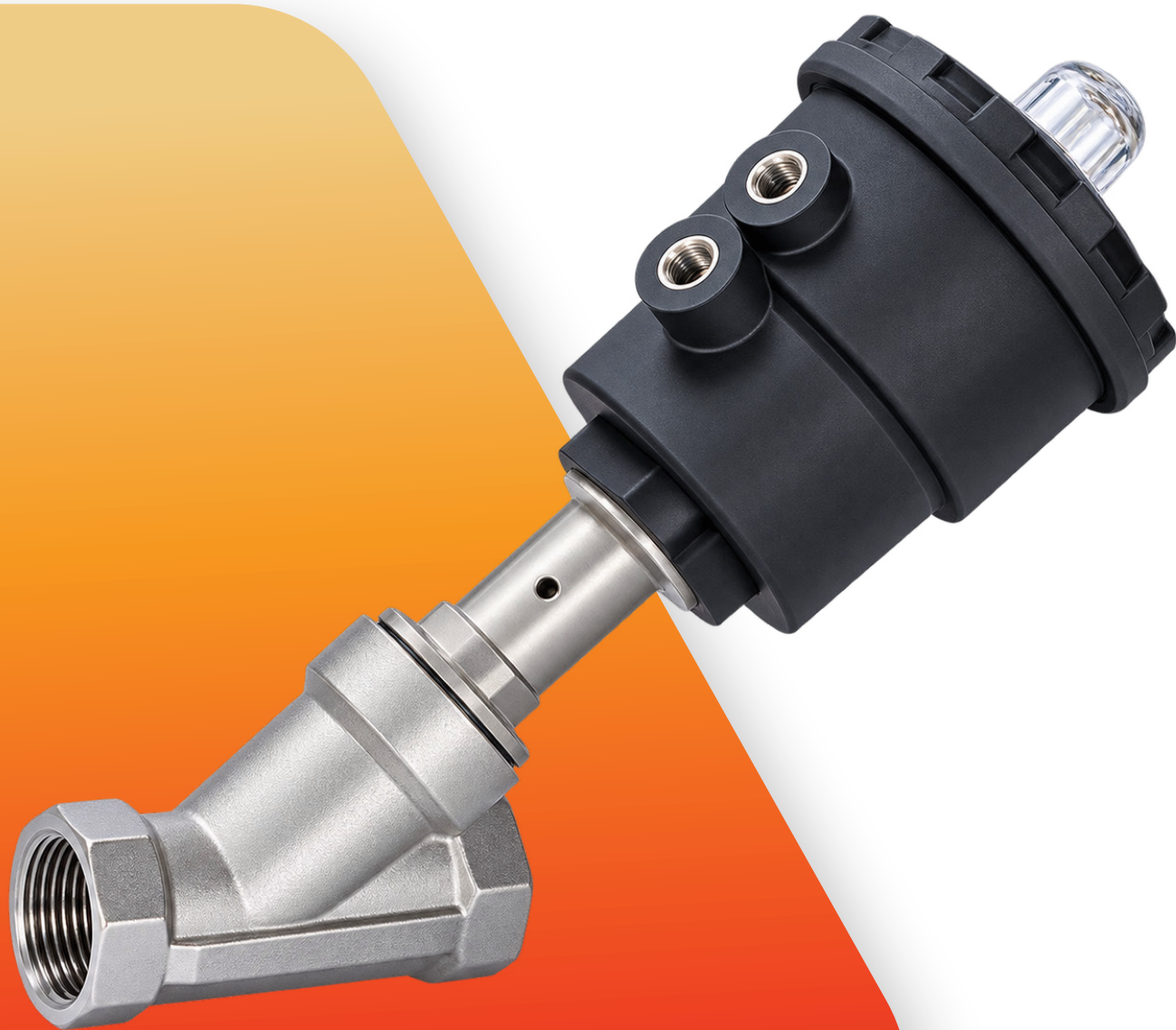


ROTEX

EMPOWERING FLOW INTELLIGENCE

ANGLE SEAT VALVE



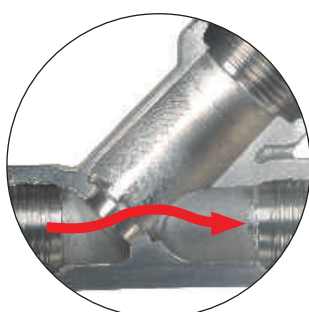
CE
PED

SINGLE ACTING

- Easy conversion from Single Acting to Double Acting
- Modular Design, multiple Operator option possible on the same valve Body
- Lubricated pilot Air not required
- Designed to work up to 10^{-6} Torr Vacuum
- Fast acting up to 500 cycles/hour
- Wetted Parts: CF8s, SS 304. Optionally same can be provided with CF3M & SS 316L
- SS 303 inserts for Operator ports
- Operation Life > 3 Million cycles
- Pressurisation of spring chamber in case of single acting operator using appropriate 5/2 valve
- Quick operation of valve possible using appropriate 5/2 valve



- Self aligning plug ensures zero leak for every operation
- Swivel joint rotating in all 360°



- Smooth profile with minimum bend for higher flow replaced by Limit Switch or Positioner or Stroke Limiter



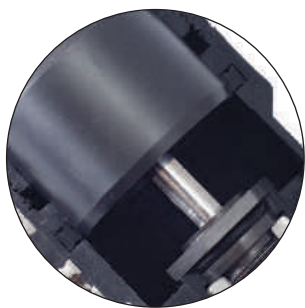
- Burnished valve stem with unique PTFE gland packing for lower friction, smoother operation and longer life
- No maintenance due to spring loaded V Packing



- Designed to avoid metal to metal contact, by use of longer sleeve for accommodating more gland packings, also resulting in better protection against leak
- Rugged gland packing for media and pilot air

SINGLE ACTING

- NC / NO / Bi Directional Operation
- Modular Design, multiple Operator option possible on the same valve Body
- Lubricated pilot Air not required
- Designed to work up to 10^{-6} Torr Vacuum
- Fast acting up to 1,000 cycles/hour
- Wetted Parts: CF8, SS 304. Optionally same can be provided with CF3M & SS 316L
- Operation Life > 3 Million cycles
- SS 303 inserts for Operator ports



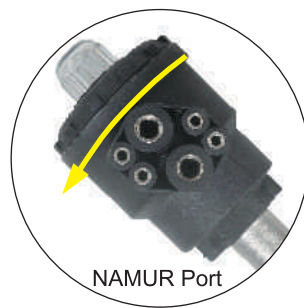
- Aluminium hard anodized piston
- Stationary seal, Sealing on Aluminium Piston
- Low friction
- Longer life
- Sealing on Aluminium Piston



- Transparent Dome for visual valve open indication
- Indicator dome can be replaced by Limit Switch or Positioner or Stroke Limiter



- Operator can be rotated 360°
- Ideally suited for area in which contamination due to exhaust air and sedimentation of particles in the operator crevices are not desired
- Corrosion resistive glass filled Nylon Operator



- Operator can be rotated 360°
- Corrosion resistive glass filled Nylon Operator
- NAMUR pad for ease of mounting Solenoid Valve

POSITION SENSOR

- Suitable only for Normally Closed Single Acting Angle Seat Valve
- Can sense full open position of the valve
- Potential free feedback from SPDT, Micro Switch rating 3A AC, 0.5A DC

Refer to page 9 for more details



ORDERING CODE

CODE

Select PSSA50 or PSSA63 or PSSA 90 or PSSA110 from accessories table

(Refer pages 17, 21, 25)

POSITION SENSOR

- Suitable for Double/ Single Acting NC, NO Angle Seat Valve
- Metallic Aluminium Cast Epoxy Powder coated enclosure having IP67 protection
- Dual cable entry for possibility to terminate solenoid in the junction box and having one cable in to limit switch box
- Up to two sensors each for Open and Close position of the valve
- For ease of cabling, Limit Switch Box Can be rotated 360°
- Sensing element : Micro Switch, WP/ Ex ia, Proximity Switch

Refer to page 10 for more details



ORDERING CODE

CODE

Select LS21 or LS41 or LS22 or LS42 or LS23 or LS43 from accessories table

(Refer pages 17, 21, 25)

Valve type	Single Acting/ Double Acting
Action	NC/ NO/ Bi-DirectionalEmergency Quick Brake
Operating Pressure	0 - 16 bar / 0 - 25 bar
Media	Steam, Air, Oil, Water, Fuel Gas and Liquid, Vacuum
Fluid Temperature	-10 °C to +180 °C with A (PTFE Seat, NBR Seal) Optionally -10 °C to +220 °C with (PEEK Seat, VITON Seal)
Size	1/2", 3/4", 1", 1 1/4", 1 1/2", 2" having inline body ports and inclined stem 2 1/2", 3" having inline body ports and perpendicular stem
Material	Body, Stem and Seat: CF8, SS 304 (optional CF3M, SS 316L)
Operator	Corrosion resistive glass filled Nylon
Surface Finish	< 3.2 micron, Electro polished
Port Type	Threaded/ Socket Weld end/ Triclamp/ ANSI Flange/ Pipe weldFlasher Light
Operator	SS 303 insert for port and Solenoid valve mounting
Pilot Pressure	0.8 - 10 bar (Refer Pages 12 to 23)
Pilot Fluid	Air, Inert Gas filtered to 50 micron

APPLICATION

Air Drying Equipment, Autoclave, Bottling and Dispensing Equipment, Chemical and Petrochemical Industries, Coolant Control for Machine Tool, Formulation machine, Fuel, Ink and Paint dispensing, Industrial Compressor, Laundry equipment, Nuclear energy, Pollution Control equipment, Process Control application, Power generation, Paper and Pulp Industries, PSA Plants, Pharmaceutical, Steam, Sterilizer, Textile Dyeing and Drying.

PRESSURE TEMPERATURE CHART

Angle Seat Valve intended to be installed in an area where PED is applicable, the valve should be connected to a lower fluid pressure as indicated in the table hereunder or as mentioned in the operating parameter table on pages 12, 14, 18, 22

DN	Class	-10 °C To RoomTemp.	Maximum Fluid Pressure kg/cm ²				PED Applicable
			50 °C	100 °C	150 °C	200 °C	
12	B40	≤25	≤25	≤25	≤25	≤25	Not Applicable
20	B40	≤25	≤25	≤25	≤25	≤25	Not Applicable
25	B40	≤25	≤25	≤25	≤25	≤25	Not Applicable
32	B25	24.5	23.2	20.8	19.0	17.6	Yes
40	B20	19.0	19.0	16.7	15.2	14.1	Yes
50	B25	24.5	23.7	20.8	19.6	17.6	Yes
65	B40	≤25	≤25	≤25	≤25	≤25	Yes
80	B40	≤15	≤15	≤15	≤15	≤15	Yes

ANGLE SEAT VALVE ACCESSORIES
STROKE LIMITER

- Ideal for application demanding preset flow adjustmentCan sense full open position of the valve
- Can be retrofitted at site
- Adjust stroke for Valve opening from 0% to 100%

SPECIFICATION

- Stainless Steel 304 bolt

ORDERING CODE

CODE	SPECIFICATION
PSSA 50	Suitable for Ø50 Operator
PSSA 63	Suitable for Ø63 Operator
PSSA 90	Suitable for Ø90 Operator
PSSA 110	Suitable for Ø110 Operator



POSITION SENSOR FOR SINGLE ACTING NORMALLY CLOSED VALVE

FEATURES

- Can be retrofitted at site
- Can be installed on single acting Normally Closed Valve function F1 or F6

ORDERING CODE

CODE	SPECIFICATION
PSSA 50	Suitable for Ø50 Operator, Function F1 or F6
PSSA 63	Suitable for Ø63 Operator, Function F1 or F6
PSSA 90	Suitable for Ø90 Operator, Function F1 or F6
PSSA 110	Suitable for Ø110 Operator, Function F1 or F6

SPECIFICATION

Type: PSSA
Ambient Temperature: -10 °C to 60 °C
Element type: Micro Switch rating 3Amp
Cable entry: Suitable for 9 mm OD cable



ANGLE SEAT VALVE ACCESSORIES
POSITION SENSOR BOX

(Should be ordered along with Valve)

- Adjustable Sensing elements
- Suitable for Single/ Double acting Normally Close/ Open valve



	Details
Model	LS-21 / LS-41
Make	Honey well Model-V15S05-CZ100A05-01
No	2 nos. (One each for Open & Close position) / 4 nos. (Two each for Open & Close position)
Type of Element	Micro switch
Rating	5 Amp 250V AC, 0.1 A 48V DC

SPECIFICATION

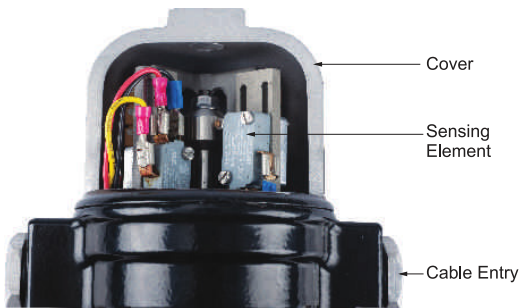
Enclosure Material: Aluminium Cast Powder Coated

Protection: Weather Proof, IP67

Optionally Weather Proof IP67 with Ex ia
sensing Element

Sensing Element: Micro Switch Proximity Sensor

Cable Entry: 2 X M25 X 1.5



	Details
Model	LS-22 / LS-42
Make	Pepperl+Fuchs
No	2 nos. (One each for Open & Close position) / 4 nos. (Two each for Open & Close position)
Type of Element	Proximity switch (EEx ia) NJ2-V3-N
Rating	8V DC, 3mA, NC

	LS-23 / LS-43
Model	Pepperl+Fuchs
Make	Honey well Model-V15S05-CZ100A05-01
No	2 nos. (One each for Open & Close position) / 4 nos. (Two each for Open & Close position)
Type of Element	Proximity Switch NBB3-V3-Z4
Rating	10-60V, 100mA, NO

ANGLE SEAT VALVE ACCESSORIES

SOLENOID VALVE (Can be ordered Separately)

APPROVALS



SPECIFICATION (Refer pages 16, 20 & 24 for Solenoid Valve code)

VALVE	SOLENOID
Pressure 10 bar	Voltage Current 24V DC, 110V 50-60 Hz, 230V 50-60 Hz
Port connection 1/4" BSP	Power 8W/ 2W/ 1W
Body Material Aluminium hard Anodised	Protection Weather Proof IP67 Explosion Proof Ex d, Ex ia, Ex e mb, IIC T6, IP67
Seat Seal NBR	Cable Entry Pg 9, M20X1.5, 1/2" NPT, M25X1.5

	VALVE TYPE	POWER	FUNCTION		PORT CONNECTION		WEATHER PROOF, IP67			EXPLOSION PROOF IIC, IP 66/ IP67					
			F1/F2/F6	F4	STANDARD P1	NAMUR P2	PLUG IN	PLUG IN	TERMINAL BOX	Ex d		Ex ia		Ex e mb	
							22		16/19	37/39	87	66	67	65 CR	58
	05	5	✓		✓	✓									
	04	8	✓		✓	✓	✓		✓	✓	✓	✓			✓
	16	8	✓		✓		✓		✓	✓	✓	✓			✓
	17	2	✓		✓		✓		✓	✓	✓				✓
	18	1	✓		✓								✓	✓	
	06	8		✓	✓		✓		✓	✓	✓	✓			✓
	12	2		✓	✓		✓		✓	✓	✓				✓
	13	1		✓	✓								✓	✓	
	07	8		✓	✓		✓		✓	✓	✓	✓			✓
	14	2		✓	✓		✓		✓	✓	✓				✓
	15	1		✓	✓								✓	✓	
	01	8	✓			✓	✓		✓	✓	✓	✓			✓
	02	8	✓	✓		✓	✓		✓	✓	✓	✓			✓
	08	2	✓	✓		✓	✓		✓	✓	✓				✓
	10	1	✓	✓		✓							✓	✓	
	03	8	✓	✓		✓	✓		✓	✓	✓	✓			✓
	09	2	✓	✓		✓	✓		✓	✓	✓				✓
	11	1	✓	✓		✓							✓	✓	

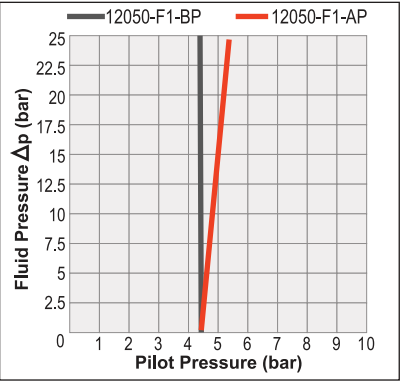
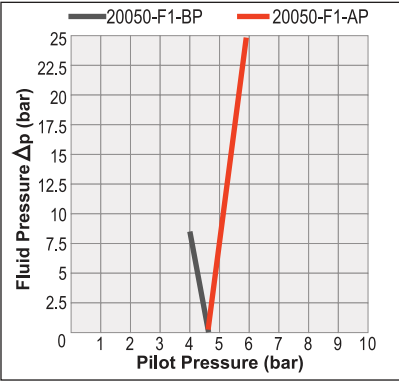
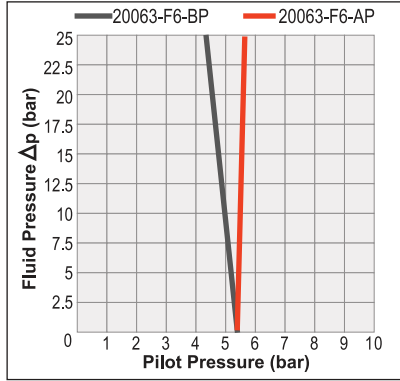
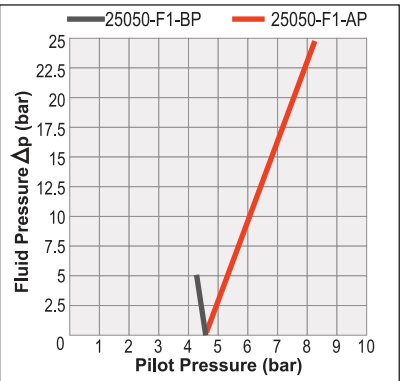
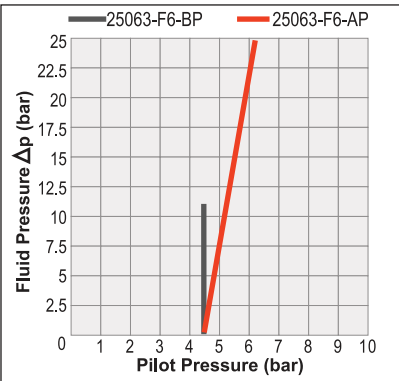
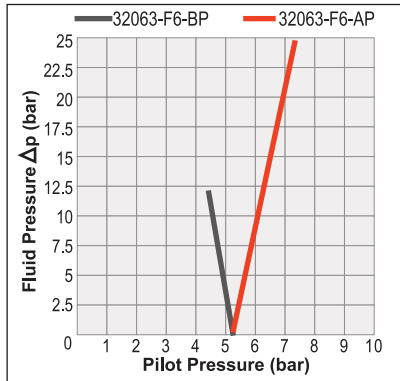
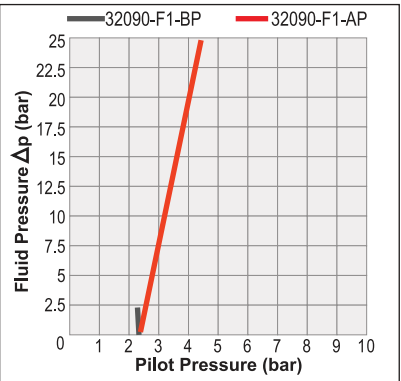
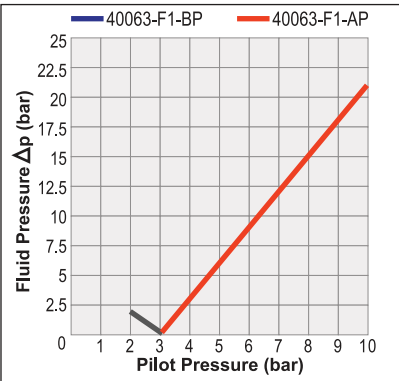
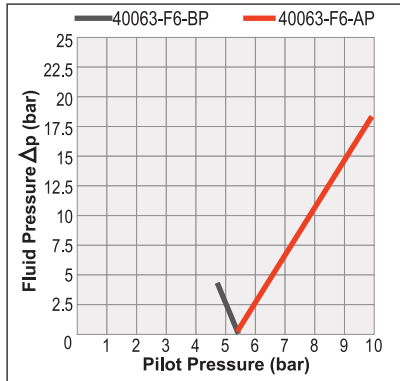
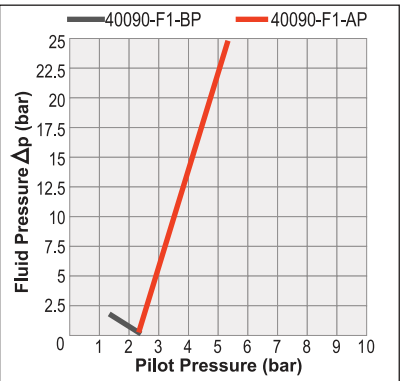
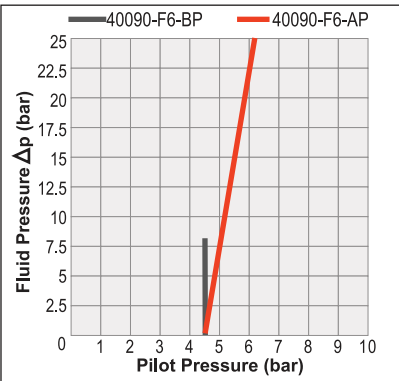
Valve Type	BASIC MODEL
01	30106
02	51424
03	57450
0±	30125
05	305
06	51440A
07	57440A
08	51424LW
09	57450LW
Valve Type	BASIC MODEL
11	57450IS
12	P5003 (51440LW)
13	I5005 (51440IS)
14	P5006 (57440LW)
15	I5006 (57440IS)
16	31119
17	P3001 (31119LW)
18	I3003 (31119IS)
19	P3004 (30125LW)
Valve Type	BASIC MODEL
20	30106-B5
21	30138
22	30106LW
23	30106LW
24	30146
25	51450IS
26	51424-SL

DN Operator	Function	DN	Actuator Ø	Connection	Kv m³/h	Single Acting Normally Closed Bi-Directional					
						Pressure Above Plug			Pressure below Plug		
						Pilot Pressure	Fluid Pressure (bar)		Pilot Pressure	Fluid Pressure (bar)	
						Up to 10 bar	AV,AW,AKU, AP,AF #300	AK, AF #150	Up to 10 bar	AV,AW,AKU, AP,AF #300	AK, AF #150
12050V01 14	F1	12	50	1/2"	5.8	4.6	0	0	4.6	0	0
						5	16	16	4.4	16	16
						5.4	25		4.4	25	
20050V01 14	F1	20	50	3/4"	10.8	4.6	0	0	4.6	0	0
						5	6	6	4	8	8
						5.5	16	16			
						6	25				
20063V01	F6	20	63	3/4"	10.8	5.4	0	0	5.4	0	0
						5.6	16	16	4.9	16	16
						5.7	25		4.4	25	
25050V01	F1	25	50	1"	21	4.6	0	0	4.6	0	0
						5	2.3	2.3	4.2	5	5
						6.9	16	16			
						8.2	25				
25063V01 14	F6	25	63	1"	21	4.5	0	0	4.5	0	0
						5	7.5	7.5	4.4	11	11
						5.5	16	16			
						6.1	25				
32063V01	F6	32	63	1 1/4"	31	5.2	0	0	5.2	0	0
						6.2	12	16	4.4	12	12
						7.3	25				
32090V02	F1	32	90	1 1/4"	31	2.2	0	0	2.2	0	0
						3.6	16	16	2.2	2	2
						4.4	25				
40063V01	F1	40	63	1 1/2"	49	3	0	0	3	0	0
						5	5.5	5.5	2	2	2
						8.4	16	16			
						10	21				
40063V01	F6	40	63	1 1/2"	49	5.4	0	0	5.4	0	0
						8.4	12	12	4.8	4	4
						10	18				
40090V02 14	F1	40	90	1 1/2"	49	2.3	0	0	2.3	0	0
						4.2	16	16	1.4	1.4	1.4
						5.3	25				
40090V02 14	F6	40	90	1 1/2"	49	4.5	0	0	4.5	0	0
						5	7.5	7.5	4.4	8	8
						5.5	16	16			
						6.1	25				

Notes

- 1. For PED certified valves, maximum fluid pressure is limited to minimum value specified in pressure temperature chart on page 8 or table above.
- 2. Valve with F5 function using 5/2 solenoid valve should be replaced by valve with F1 function operated by 5/2 valve.
- 3. Valve with F3 function should be replaced by selecting suitable valve meeting operating parameter of main fluid pressure above, below seat and pilot pressure.

F1 / F6 — SINGLE ACTING NORMALLY CLOSED



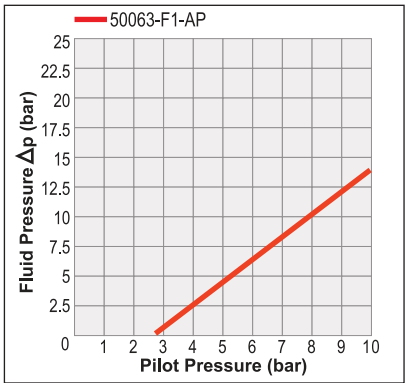
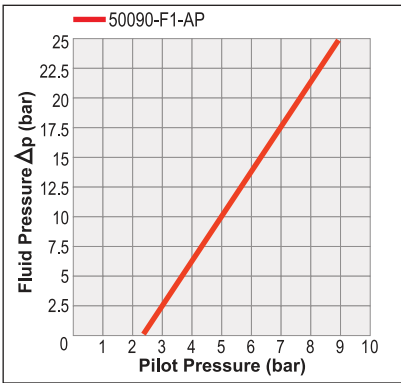
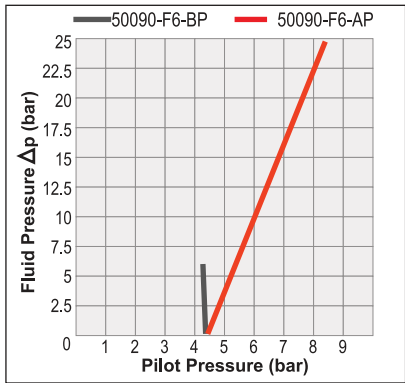
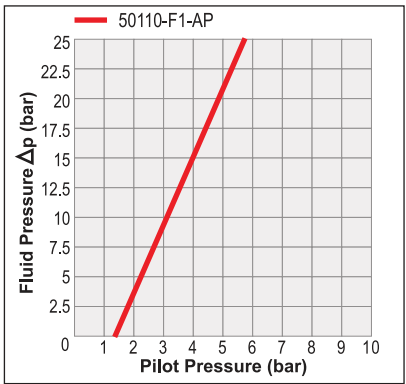
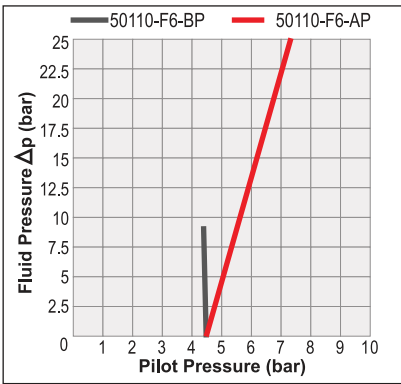
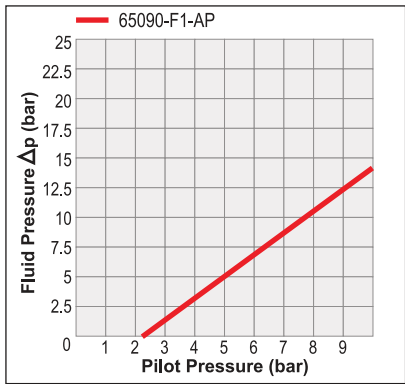
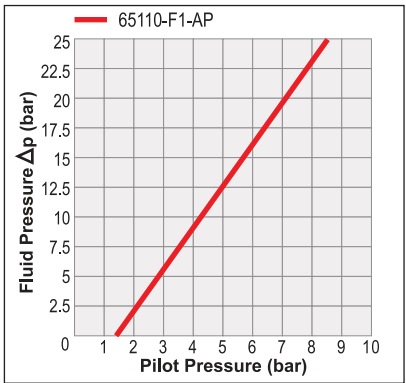
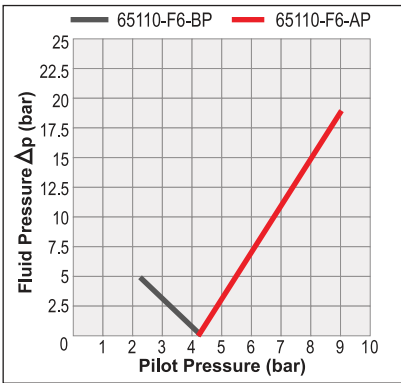
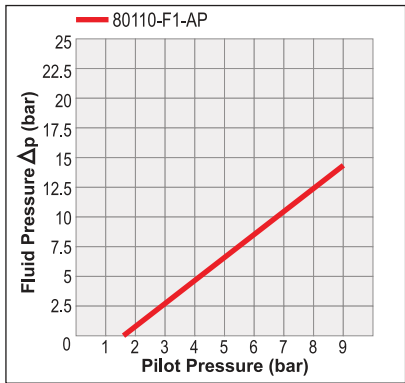
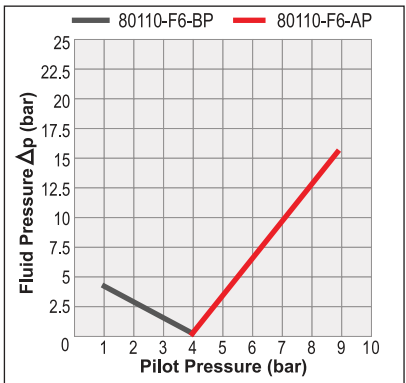
F1 / F6 — SINGLE ACTING NORMALLY CLOSED

DN Operator	Function	DN	Actuator Ø	Connection	Kv m³/h	Single Acting Normally Closed Bi-Directional					
						Pressure Above Plug			Pressure below Plug		
						Pilot Pressure	Fluid Pressure (bar)		Pilot Pressure	Fluid Pressure (bar)	
						Up to 10 bar	AV, AW, AKU, AP, AF #300	AK, AF #150	Up to 10 bar	AV, AW, AKU, AP, AF #300	AK, AF #150
50063V02	F1	50	63	2"	68	2.8	0	0			
						5	4	4			
						10	14	14			
50090V03	F1	50	90	2"	68	2.3	0	0			
						5	9.5	9.5			
						6.6	16	16			
						9	25				
50090V03	F6	50	90	2"	68	4.5	0	0	4.5	0	0
						7	16	16	4.4	5.5	5.5
						8.5	25				
50110V03 14 13	F1	50	110	2"	68	1.4	0	0			
						4.2	16	16			
						5.8	25				
50110V03 14 13	F6	50	110	2"	68	4.5	0	0	4.5	0	0
						5	4	4	4.4	9	9
						6.3	16	16			
						7.3	25				
65090V02	F1	65	90	2 1/2"	120	2.2	0	0			
						5	4.5	4.5			
						9	12	12			
						10	14				
65110V02 13	F1	65	110	2 1/2"	120	1.4	0	0			
						5	12	12			
						6	16	16			
						8.6	25				
65110V02 13	F6	65	110	2 1/2"	120	4.2	0	0	4.2	0	0
						5	3	3	2.2	5	5
						7.2	12	12			
						9	19				
80110V02 13	F1	80	110	3"	185	1.6	0	0			
						5	6	6			
						6.9	10	10			
						9	14				
80110V02 13	F6	80	110	3"	185	4	0	0	4	0	0
						5	3	3	1	4	4
						6.5	8	8			
						9	15.5				

Notes

1. For PED certified valves, maximum fluid pressure is limited to minimum value specified in pressure temperature chart on page 8 or table above.
2. Valve with F5 function using 5/2 solenoid valve should be replaced by valve with F1 function operated by 5/2 port valve.
3. Valve with F3 function should be replaced by selecting suitable valve meeting operating parameter of main fluid pressure above, below seat and pilot pressure.

F1 / F6 — SINGLE ACTING NORMALLY CLOSED



F1 / F6 — SINGLE ACTING NORMALLY CLOSED

1	2	-	3	4	5	6	7	8	9	10
PORT TYPE	DN OPERATOR - FUNCTION			PILOT	SEAL SEAT	PORT SIZE	BODY	SOLENOID VALVE	ACCESSORIES	MEDIA
AV	12050V01	-	F1	P1	S17	4G	B14	02 - 37 - C	PSSA50	×

1		2-3							
PORT TYPE		DN OPERATOR-FUNCTION							
CODE	DESCRIPTION	DN OPERATOR -FUNCTION	DN	OPERATOR	INLET	DN OPERATOR -FUNCTION	DN	OPERATOR	INLET
AV	Threaded Port								
AF	Flanged ANSI # 150	14 12050V01-F1	12	Ø50	Bi-Directional	50063V02-F1	50	Ø63	Above Plug
AF300	Flanged ANSI # 300	14 20050V01-F1	20	Ø50	Bi-Directional	50090V03-F1	50	Ø90	Above Plug
AW	Weld Neck	20063V01-F6	20	Ø63	Bi-Directional	50090V03-F6	50	Ø90	Bi-Directional
AP	Pipe Weld	25050V01-F1	25	Ø50	Bi-Directional	13 50110V03-F1 14	50	Ø110	Above Plug
APM	Pipe Weld ISO1127	14 25063V01-F6	25	Ø63	Bi-Directional	13 50110V03-F6 14	50	Ø110	Bi-Directional
AK	Tri Clamp (ISO 2852)	32063V01-F6	32	Ø63	Bi-Directional	65090V02-F1	65	Ø90	Above Plug
		32090V02-F1	32	Ø90	Bi-Directional	13 65110V02-F1	65	Ø110	Above Plug
		40063V01-F1	40	Ø63	Bi-Directional	13 65110V02-F6	65	Ø110	Bi-Directional
		40063V01-F6	40	Ø63	Bi-Directional	13 80110V02-F1	80	Ø110	Above Plug
AKU	Tri Clamp (ASME BPE)	14 40090V02-F1	40	Ø90	Bi-Directional	13 80110V02-F6	80	Ø110	Bi-Directional
		14 40090V02-F6	40	Ø90	Bi-Directional				

4		5		6				7	
PILOT		SEAL/ SEAT		12 4 PORT SIZE				BODY (INTERNAL)	
CODE	DESCRIPTION	CODE	SEAL SEAT	SIZE	BSP	NPT	SIZE	BSP	NPT
P1	Clean Port	1 ×	NBR PTFE	1/2"	4G	4R	1 1/2"	12G	12R
P2	NAMUR	S17	VITON PEEK	3/4"	6G	6R	2"	16G	16R
				1"	8G	8R	2 1/2"	20G	20R
				1 1/4"	10G	10R	3"	24G	24R

CODE	DESCRIPTION
B13	CF8 (SS 304)
B14	CF3M (SS 316L)

8		
SOLENOID VALVE (A B C) Refer to page 11 for more details		
A	B	C
CODE VALVE MODEL	CODE COIL CODE	CODE VOLTAGE
1 × Solenoid Valve Not Required	1 × Solenoid Valve Not Required	× 1 Solenoid Valve Not Required
01 3/2 NAMUR Type 30106	Weather Proof IP67	A 24V DC, 8 WATT
02 5/2 3/2 Convertible Single Solenoid NAMUR Type 51424	22 Plug In as per DIN 43650B	A-01 24V DC, 8 WATT, ATEX
03 5/2 3/2 Convertible Double Solenoid NAMUR Type 57450	25 Plug In as per DIN 43650A	A-01B 24V DC, 8 WATT, INDIAN+ATEX
04 3/2 Body Ported Type 30125	6 19 Coil With Integral Terminal Box, Cable Entry M20 X1.5	B 230V 50Hz, 6 WATT
05 3/2 Direct Mount Type 305	Flame Proof IP67	C 110V 50Hz, 6 WATT
7 08 5/2 3/2 Convertible Single Solenoid NAMUR Low Power Type 51424LW2	39 Ex d, IIC, T4, Cable Entry M20 X 1.5	C-01 110V 50Hz, 6 WATT, ATEX
7 09 5/2 3/2 Convertible Double Solenoid Low Power NAMUR Type 57450LW2	37 Ex d, IIC, T4, Cable Entry 1/2" NPT (F)	D 7 24V DC, 2 WATT
8 10 5/2 3/2 Convertible Single Solenoid NAMUR Valve With Intrinsically Safe Coil Type 51424IS	6 87MS Ex d, IIC, T6, IIC, T6, Cable Entry M20X1.5	E 8 24V DC Ex ia, Size III
8 11 5/2 3/2 Convertible Double Solenoid NAMUR Valve With Intrinsically Safe Coil Type 57450IS	6 58MS Ex e mb, IIC, T6, Cable Entry M20X1.5	E-01 8 24V DC, Ex ia, IEC Ex,ATEX Size III
	6 65CR Ex ia IIC, T6, Plug In as per DIN 43650A	F 24V 50Hz, 6 WATT
	6 67MS Ex ia, Integral Terminal Box, IIC, T6, Cable Entry M20 X 1.5	G 24V DC, 8 WATT, Size III
	6 66MS Ex ia, IIC, T6, With Booster Circuit, Integral Terminal Box, Cable Entry M20 X 1.5	H 24V DC, 1 WATT
		H-01 24V DC, 1 WATT, ATEX
		J 48V DC, 8 Watt, Size III
		K 110V DC, 8 Watt, Size III
		M 230V 50Hz, 6 WATT, Size III
		N 110V 50Hz, 6 WATT, Size III
		N-01 110V 50Hz, 6 WATT,Size III, ATEX
		P 24V DC, 2 WATT, Size III
		R 24V 50Hz, 6 WATT, Size III

Note : Contact Rotex for ordering code of solenoid valve having approval other than 

ORDERING EXAMPLE (Solenoid Valve)

1. 01 22 A >>> 3/2 NAMUR valve type 01 (basic model 30106), Aluminium Body, 1/4" BSP, with 24V DC DIN plug, IP67 coil.
2. 2 67N ES >>> 5/2, 3/2 Convertible Double Solenoid NAMUR valve type 12 (basic model 57450IS) Aluminium Body, 1/4" Port, with Intrinsically Safe, Ex ia IIC T6, IP67 Solenoid.
3. 08 37 D >>> 5/2 3/2 Convertible Single Solenoid NAMUR valve type 08 (basic model 51424) Aluminium Body, 1/4" BSP, with Explosion Proof Ex d IIC T6, IP67 Coil.

F1 / F6 — SINGLE ACTING NORMALLY CLOSED

9				10	
ACCESSORIES (refer to page 9 & 10 for more details)			Sensing Element Qty		11 MEDIA
CODE	DESCRIPTION	OPEN	CLOSE	CODE	DESCRIPTION
1 ✖	Transparent Indicating Dome	Nil	Nil	✖	Above Plug- Air, Inert Gas
PSSA50	Microswitch, SPDT, 3 AMP, NC/ NO for Operator Ø50	One	Nil	✖	Below Plug- Air, Inert Gas, Oil, Water
PSSA63	Microswitch, SPDT, 3 AMP, NC/ NO for Operator Ø63	One	Nil		
PSSA90	Microswitch, SPDT, 3 AMP, NC/ NO for Operator Ø90	One	Nil		
PSSA110	Microswitch, SPDT, 3, AMP, NC/ NO for Operator Ø110	One	Nil		
SL50	Stroke Limiter for Operator Ø50				
SL63	Stroke Limiter for Operator Ø63				
SL90	Stroke Limiter for Operator Ø90				
SL110	Stroke Limiter for Operator Ø110				
LS21	Microswitch, 5 Amp 250V AC, 0.1 A 48V DC, SPDT, Make : Honeywell	One	One		
LS41	Microswitch, 5 Amp 250V AC, 0.1 A 48V DC, SPDT, Make : Honeywell	Two	Two		
LS22	Proximity Switch EEx ia, Type NJ2-V3-N, 8V DC, 3 mA, NC, Make: PEPPERL + FUCHS	One	One		
LS42	Proximity Switch EEx ia, Type NJ2-V3-N, 8V DC, 3 mA, NC, Make: PEPPERL + FUCHS	Two	Two		
LS23	Proximity Switch Weather Proof, 10V - 60V, 100 mA, NO	One	One		
LS43	Proximity Switch Weather Proof, 10V - 60V, 100 mA, NO	Two	Two		

Notes

- 1

Do not specify when opted.
- 4

Should be opted only for port type AV & IV.
- 5

Solenoid valve type 6, 7, 16, 17, 18 cannot be fitted on Valve.
- 6

For 1/2" NPT Cable Entry, replace 19/87MS/58MS/67MS/66 with 16/87NS/58NS/67NS/66NS.
- 7

Valve type 08 & 09 can be supplied with coil voltage type D only.
- 8

Select Coil Code 65CR/66MS/67MS and Voltage E.
- 9

Solenoid valve should not be opted.
- 11

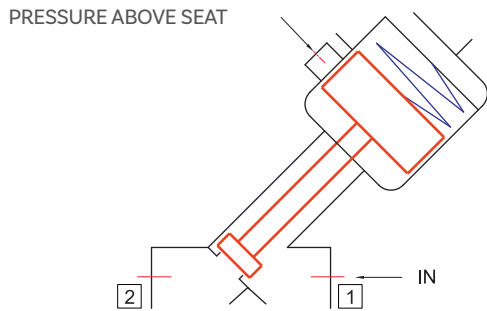
Select media code other than default Media.
- 12

Port types can be supplied with Port Size Suffix "F" for AF/IF, Suffix "P" for AP/APM, suffix "T" for AK.
- 13

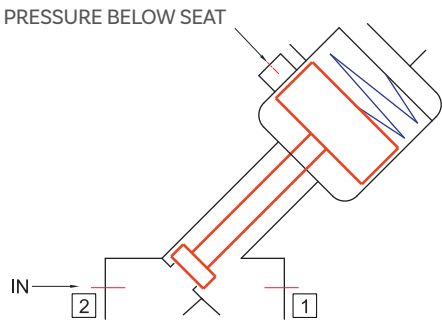
Maximum Pilot Pressure limit for Ø110 Operator is 9 bar.
- 14

Valve Type available in AKU.

RECOMMENDED INSTALLATION



MEDIA
Gas, Steam, Air, Vacuum, LPG



MEDIA
Gas, Air, Water, Vacuum, Oil, Liquid, Fuel

ORDERING EXAMPLE

Example 1
AV25050V01-F1-P1-4G-B13
25NB Single Acting Normally Closed Angle Seat valve having 1" BSP port connection, PTFE seat, Body and Wetted part CF8, SS 304 and Operator 50, Clean port, seals and O ring NBR.

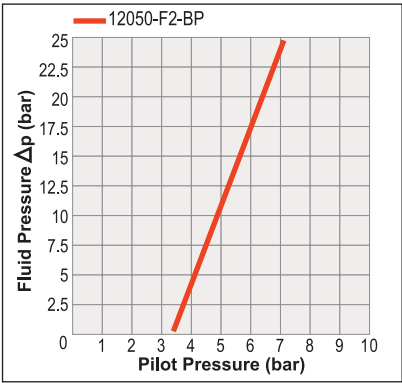
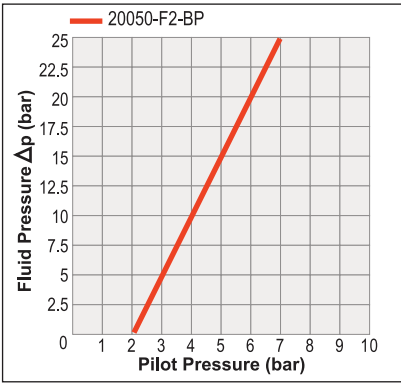
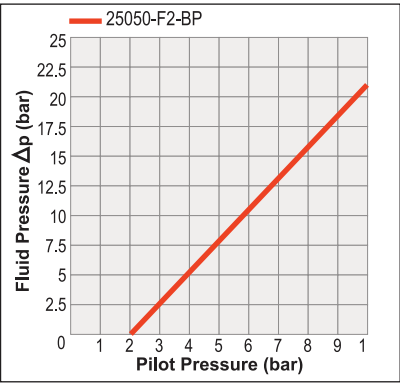
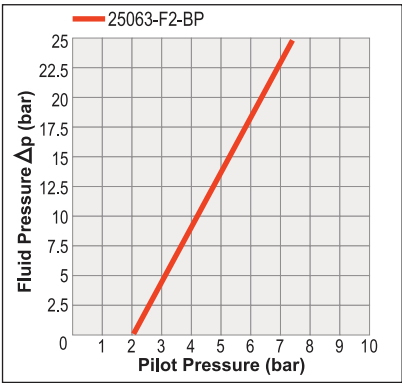
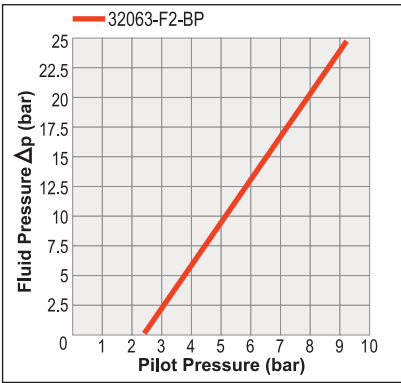
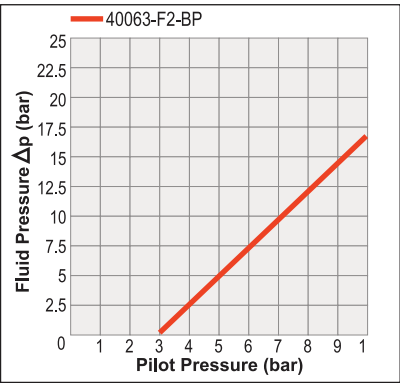
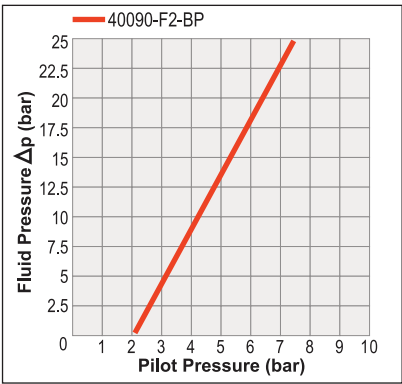
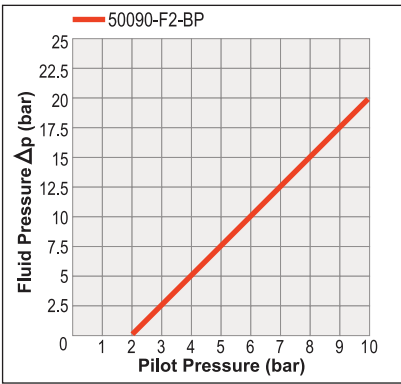
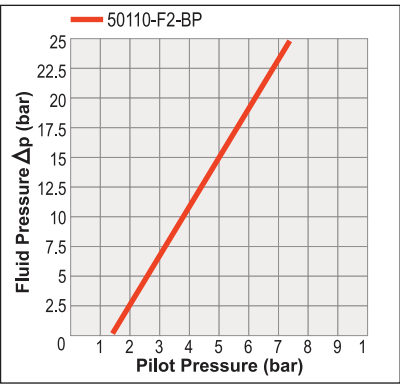
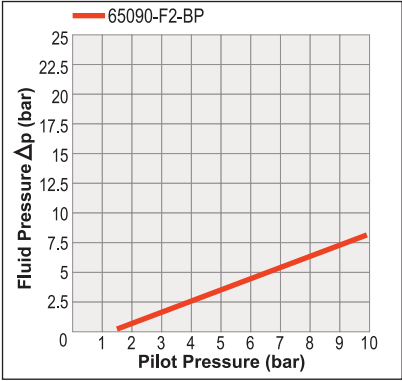
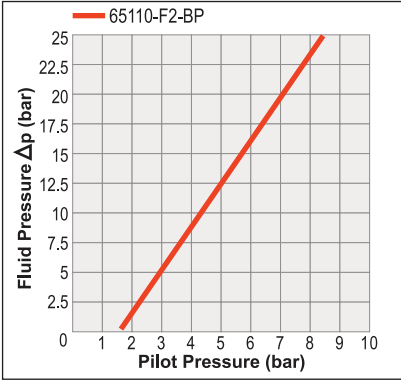
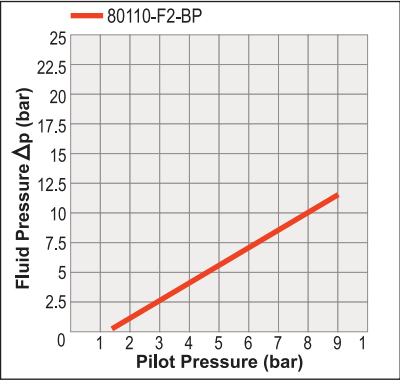
Example 2
AV40090V02-F6-P2-S17-12R-B14-08-16-D-PSSA90
40NB Single Acting Normally Closed Angle Seat Valve having 1 1/2" NPT threaded port connection, PEEK Seat, Body and wetted parts CF3M, SS 316L, Operator 90 NAMUR Ports, Seals and O ring VITON, along with Position Sensor Type PSSA90 having Cable entry PG9, SPDT Micro switch 3 AMP for sensing Open Position of the valve, with 5/2 3/2 Convertible Low Power Solenoid Valve, Body Material Aluminium Hard Anodised, Low Power Weather Proof Solenoid having integral Terminals Junction Box, Cable Entry M20X1.5, Voltage 24V DC, Power 2 Watt, Type 0816MSD.

SINGLE ACTING NORMALLY OPEN — F2

DN Operator	DN	Actuator Ø	Connection	Kv m³/h	Single Acting Normally Open		
					Pressure Below Plug		
					Pilot Pressure	Fluid Pressure (bar)	
					Up to 10 bar	AV, AW, AKU AP, AF #300	AK, AF #150
12050V01 14	12	50	1/2"	5.8	3.4	0	0
					5	10	10
					5.8	16	16
					7.1	25	
20050V01 14	20	50	3/4"	10.8	2	0	0
					5	15	15
					5.2	16	16
					7	25	
25050V01	25	50	1"	21	2	0	0
					5	7.5	7.5
					6.5	12	12
					10	21	
25063V01 14	25	63	1"	21	2	0	0
					5	13	13
					5.5	16	16
					7.5	25	
32063V01	32	63	1 1/4"	31	2.4	0	0
					5	9	9
					6.8	16	16
					9.2	25	
40063V01	40	63	1 1/2"	49	3	0	0
					5	4.5	4.5
					7.1	10	10
					10	17	
40090V02 14	40	90	1 1/2"	49	2	0	0
					5	13	13
					5.5	16	16
					7.5	25	
50090V03	50	90	2"	68	2	0	0
					5	7	7
					6.8	12	12
					10	20	
50110V03 13 14	50	110	2"	68	1.4	0	0
					5	14	14
					5.3	16	16
					7.5	25	
65090V02	65	90	2 1/2"	120	1.4	0	0
					5	3	3
					5.7	4	4
					10	7.8	
65110V02 13	65	110	2 1/2"	120	1.6	0	0
					5	11.5	11.5
					4.9	12	12
					8.5	25	
80110V02 13	80	110	3"	185	1.4	0	0
					5	5	5
					6.6	8	8
					9	11.5	

Note
For PED certified valves, maximum fluid pressure is limited to minimum value specified in pressure temperature chart on page 8 or table above.

SINGLE ACTING NORMALLY OPEN — F2



DOUBLE ACTING BI-DIRECTIONAL UNIVERSAL — F4

1	2	3	4	5	6	7	8	9	10
PORT TYPE	DN-OPERATOR	FUNCTION	PILOT	SEAL SEAT	PORT SIZE	BODY	SOLENOID VALVE	ACCESSORIES	MEDIA
AV	12050V01	F4	P2	S17	4G	B14	12 - 67NS - E	LS21	※

1		2							3	
PORT TYPE		DN-OPERATOR							FUNCTION	
CODE	DESCRIPTION	CODE	DN	OPERATOR	CODE	DN	OPERATOR	CODE	DESCRIPTION	
③ AV	Threaded Port	12050V01	12	Ø50	50090V03	50	Ø90	F4	DOUBLE ACTING UNIVERSAL	
③ AF	Flanged ANSI # 150	20050V01	20	Ø50	⑬ 50110V03	50	Ø110			
③ AF300	Flanged ANSI # 300	25050V01	25	Ø50	65090V02	65	Ø90			
③ AW	Weld Neck	32063V01	32	Ø63	⑬ 65110V02	65	Ø110			
③ AP	Pipe Weld	40063V01	40	Ø63	⑬ 80110V02	80	Ø110			
③ APM	Pipe Weld ISO1127	40090V02	40	Ø90						
③ AK	Tri Clamp									

4		5			6						7	
PILOT		SEAL/ SEAT			⑫ ④ PORT SIZE						BODY (INTERNAL)	
CODE	DESCRIPTION	CODE	SEAL	SEAT	SIZE	BSP	NPT	SIZE	BSP	NPT	CODE	DESCRIPTION
P1	Clean Port	① ✖	NBR	PTFE	1/2"	4G	4R	11/2"	12G	12R	B13	CF8 (SS 304)
P2	NAMUR	S17	VITON	PEEK	3/4"	6G	6R	2"	16G	16R	B14	CF3M (SS 316L)
					1"	8G	8R	21/2"	20G	20R		
					11/4"	10G	10R	3"	24G	24R		

8

SOLENOID VALVE (A B C) Refer to page 11 for more details

A		B		C	
CODE	VALVE MODEL	CODE	COIL CODE	CODE	VOLTAGE
① ※	Solenoid Valve Not Required	① ※	Solenoid Valve Not Required	※ ①	Solenoid Valve Not Required
02	5/2 3/2 Convertible Single Solenoid NAMUR Type 51424	Weather Proof IP67		A	24V DC, 8 WATT
03	5/2 3/2 Convertible Double Solenoid NAMUR Type 57450	22	Plug In as per DIN 43650B	A-01	24V DC, 8 WATT, ATEX
⑦ 08	5/2 3/2 Convertible Single Solenoid NAMUR Low Power Type 51424LW2	25	Plug In as per DIN 43650A	A-01B	24V DC, 8 WATT, INDIAN+ATEX
⑦ 09	5/2 3/2 Convertible Double Solenoid Low Power NAMUR Type 57450LW2	⑥ 19	Coil With Integral Terminal Box, Cable Entry M20 X1.5	B	230V 50Hz, 6 WATT
⑧ 10	5/2 3/2 Convertible Single Solenoid NAMUR Valve With Intrinsically Safe Coil Type 51424IS	Flame Proof IP67		C	110V 50Hz, 6 WATT
⑧ 11	5/2 3/2 Convertible Double Solenoid NAMUR Valve With Intrinsically Safe Coil Type 57450IS	39	Ex d, IIC, T4, Cable Entry M20 X 1.5	C-01	110V 50Hz, 6 WATT, ATEX
		37	Ex d, IIC, T4, Cable Entry 1/2" NPT (F)	D ⑦	24V DC, 2 WATT
		⑥ 87MS	Ex d, IIC, T6, IIC, T6, Cable Entry M20X1.5	E ⑧	24V DC Ex ia, Size III
		⑥ 58MS	Ex e mb, IIC, T6, Cable Entry M20X1.5	E-01⑧	24V DC, Ex ia, IEC Ex,ATEX Size III
		⑧ 65CR	Ex ia IIC, T6, Plug In as per DIN 43650A	F	24V 50Hz, 6 WATT
		⑥ 67MS	Ex ia, Integral Terminal Box, IIC, T6, Cable Entry M20 X 1.5	G	24V DC, 8 WATT, SIZE III
		⑧ 66MS	Ex ia, IIC, T6, With Booster Circuit, Integral Terminal Box, Cable Entry M20 X 1.5	H	24V DC, 1 WATT
		⑧		H-01	24V DC, 1 WATT, ATEX
				J	48V DC, 8 Watt, Size III
				K	110V DC, 8 Watt, Size III
				M	230V 50Hz, 6 WATT, Size III
				N	110V 50Hz, 6 WATT, Size III
				N-01	110V 50Hz, 6 WATT, Size III, ATEX
				P	24V DC, 2 WATT, Size III
				R	24V 50Hz, 6 WATT, Size III

ORDERING EXAMPLE (Solenoid Valve)

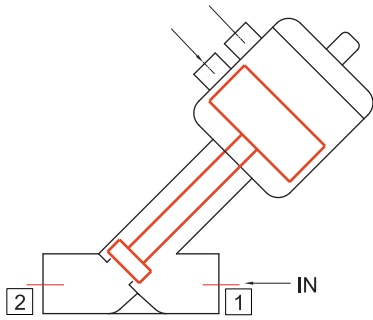
1. 02 22 B >>> 5/2 Convertible NAMUR valve type 02 (basic model 51424) Aluminium Body, 1/4" BSP, 230V 50Hz with DIN plug IP67 coil
2. 12 67NS E >>> 5/2, 3/2 Convertible Double Solenoid NAMUR valve type 12 (basic model 57450IS) Aluminium Body, 1/4" Port, with Intrinsically Safe, Ex ia IIC T6, IP67 Solenoid
3. 08 37 D >>> 5/2 3/2 Convertible Single Solenoid NAMUR valve type 08 (basic model 51424) Aluminium Body, 1/4" BSP, with Explosion Proof Ex d IIC T6, IP67 Coil

F4 DOUBLE ACTING BI-DIRECTIONAL UNIVERSAL

9				10	
ACCESSORIES (refer to page 9 & 10 for more details)			Sensing Element Qty.		1 MEDIA
CODE	DESCRIPTION	OPEN	CLOSE	CODE	DESCRIPTION
1 ×	Transparent Indicating Dome			×	Above Plug- Air, Inert Gas
SL50	Stroke Limiter for Operator Ø50			×	Below Plug- Air, Inert Gas, Oil, Water
SL63	Stroke Limiter for Operator Ø63				
SL90	Stroke Limiter for Operator Ø90				
SL110	Stroke Limiter for Operator Ø110				
LS21	Microswitch, 5 Amp 250V AC, 0.1 A 48V DC, SPDT, Make : Honeywell	One	One		
LS41	Microswitch, 5 Amp 250V AC, 0.1 A 48V DC, SPDT, Make : Honeywell	Two	Two		
LS22	Proximity Switch EEx ia, Type NJ2-V3-N, 8V DC, 3 mA, NC, Make: PEPPERL + FUCHS	One	One		
LS42	Proximity Switch EEx ia, Type NJ2-V3-N, 8V DC, 3 mA, NC, Make: PEPPERL + FUCHS	Two	Two		
LS23	Proximity Switch Weather Proof, 10V - 60V, 100 mA, NO	One	One		
LS43	Proximity Switch Weather Proof, 10V - 60V, 100 mA, NO	Two	Two		

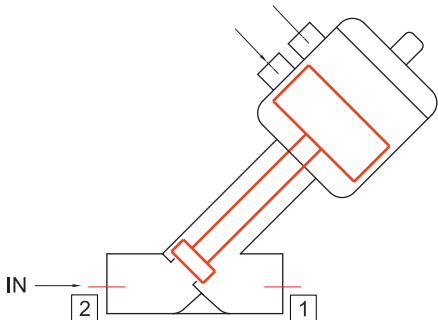
CONNECTION DETAIL / RECOMMENDED INSTALLATION

Normally close
Pressure Above Seat



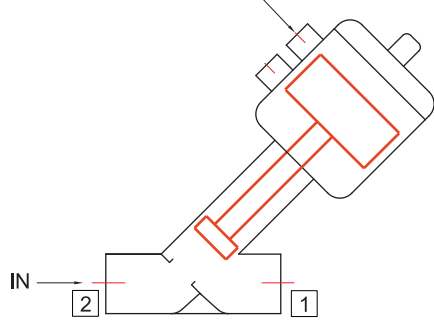
MEDIA
Gas, Steam, Air, Vacuum, LPG

Normally close
Pressure Above Seat



MEDIA
Gas, Air, Water, Vacuum, Oil, Liquid, Fuel

Normally open
Pressure Below Seat

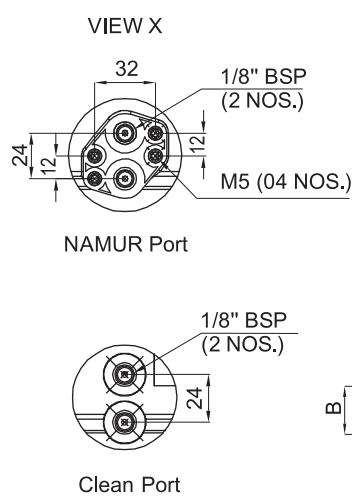
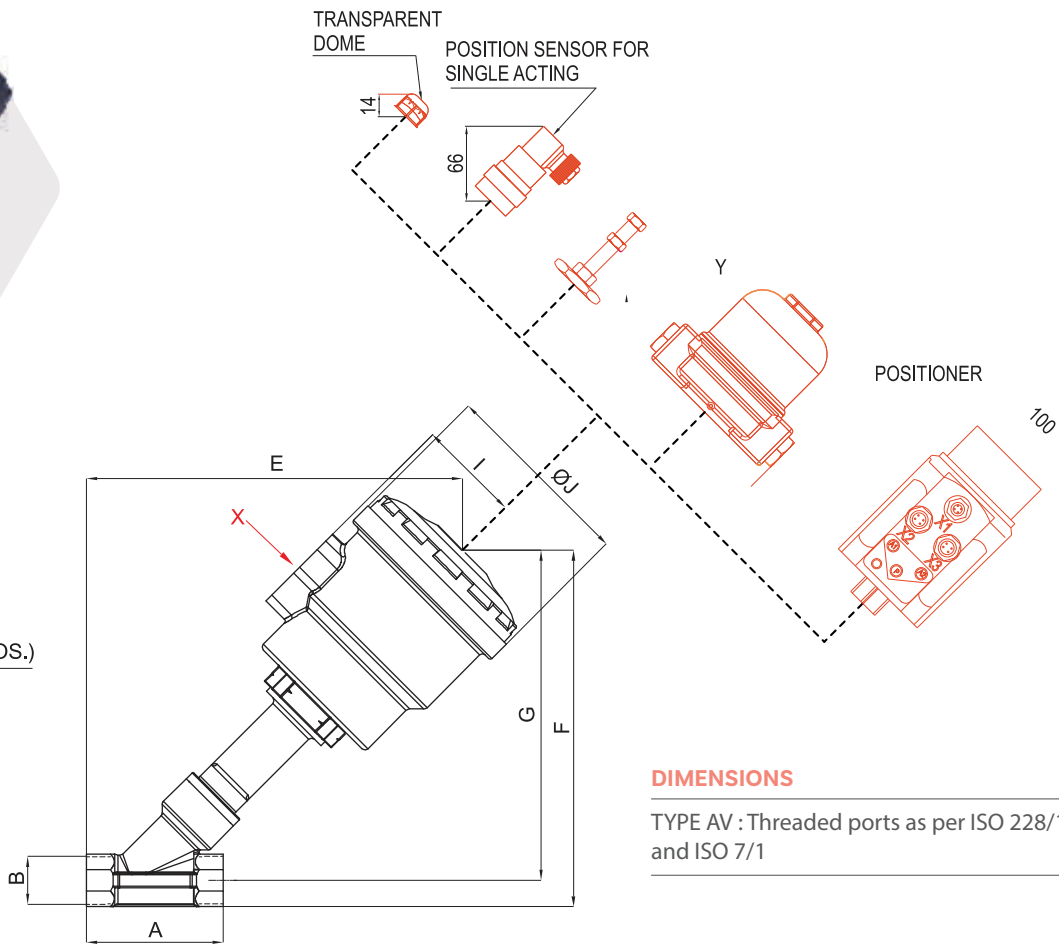


MEDIA
Steam, Air, Oil, Water, Fuel Gas and Liquid, Vacuum

ORDERING EXAMPLE

AV32063V01-F4-P1-16G-B13
32NB Double Acting Bi-Directional Universal Angle Seat valve having 1¼" BSP port connection, PTFE seat, Body and wetted part CF8, SS 304 and Operator 63, Clean port, Seal and O ring NBR

AF25050V01-F4-P2-S17-B14-11-67NS-E-LS22
25NB Double Acting Bi-Directional Universal Angle Seat Valve having 25NB RF #150 flanged port connection, PEEK Seat, Body and wetted parts CF3M, SS 316L, Operator diameter 50 mm having NAMUR Ports, Seals and O ring VITON, along with position sensor box having Powder coated Aluminium Cast enclosure, One number each Micro Switch, SPDT, 5AMP for AC, 0.5 AMP for DC, to sense Open and Close position of the valve, Cable Entry 2 Number M25 X 1.5 mm Type LS21 with 5/2 3/2 Convertible NAMUR Solenoid Valve with Intrinsically safe Solenoid, Body Material Aluminium Hard Anodised, fitted with, Explosion proof solenoid Ex ia IIC T6, having cable entry 1/2" NPT, Voltage 24V DC, Type 11-67NS-E

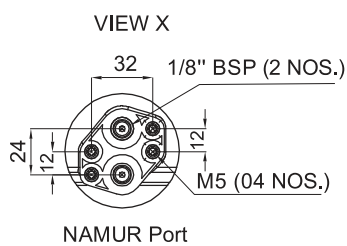
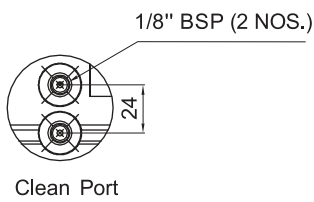


DIMENSIONS

TYPE AV : Threaded ports as per ISO 228/1 and ISO 7/1

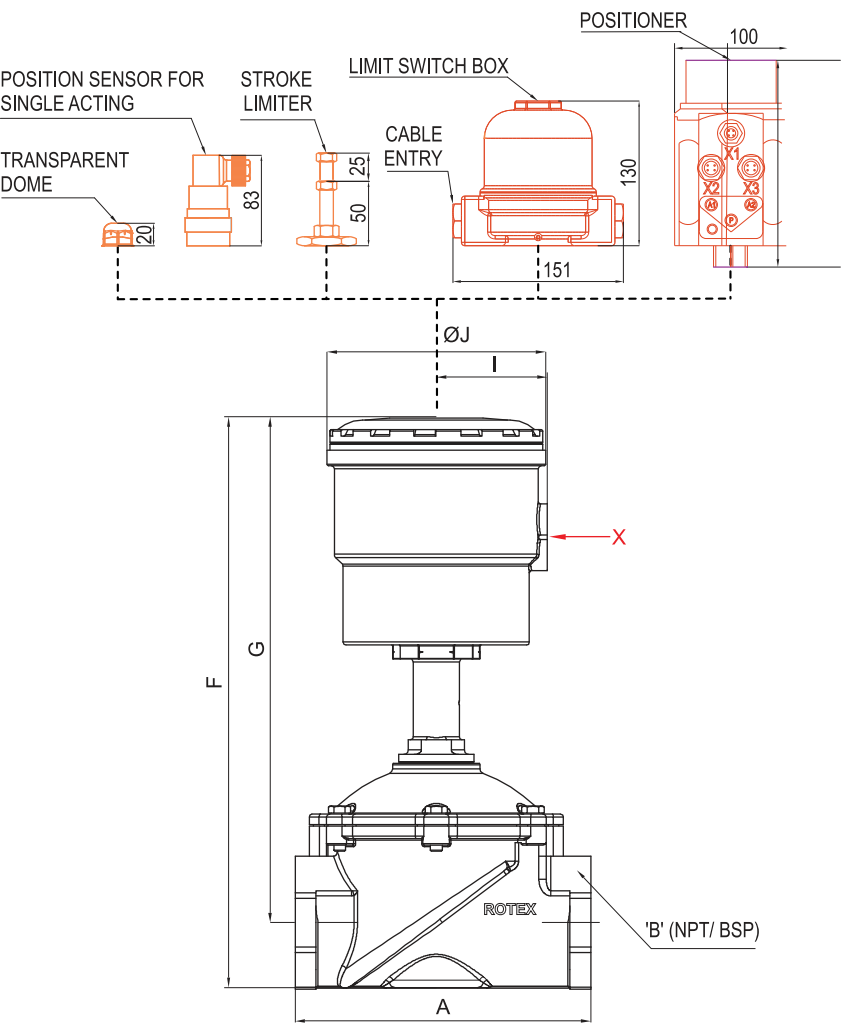
(All dimensions are in mm)

Type	DN	Actuator Ø	A	B BSP/ NPT	E	F	G	ØJ	I	
AV12050V01	12	50	65	1/2"	167	158	146	75	42	1
AV20050V01	20	50	75	3/4"	171	161	145	75	42	1.1
AV20063V01	10	63	75	3/4"	185	174	158	93	49	1.3
AV25050V01	25	50	90	1"	177	165	145	75	42	1.4
AV25063V01	25	63	90	1"	190	179	158	93	49	1.6
AV32063V01	32	63	110	1 1/4"	200	188	162	93	49	2.1
AV32090V02	32	90	110	1 1/4"	233	220	196	124	67	3.2
AV40063V01	40	63	120	1 1/2"	205	199	169	93	49	2.9
AV40090V02	40	90	120	1 1/2"	235	229	199	124	67	3.9
AV50063V02	50	63	150	2"	233	218	183	93	49	3.6
AV50090V03	50	90	150	2"	263	248	213	124	67	4.3
AV50110V03	50	110	150	2"	283	248	232	148	75	6.3
AV65090V02	65	90	190	2 1/2"	291	279	234	116	67	3.9
AV65110V02	65	110	190	2 1/2"	309	297	252	156	79	3.6
AV80110V02	80	110	250	3"	352	324	272	156	79	4.3



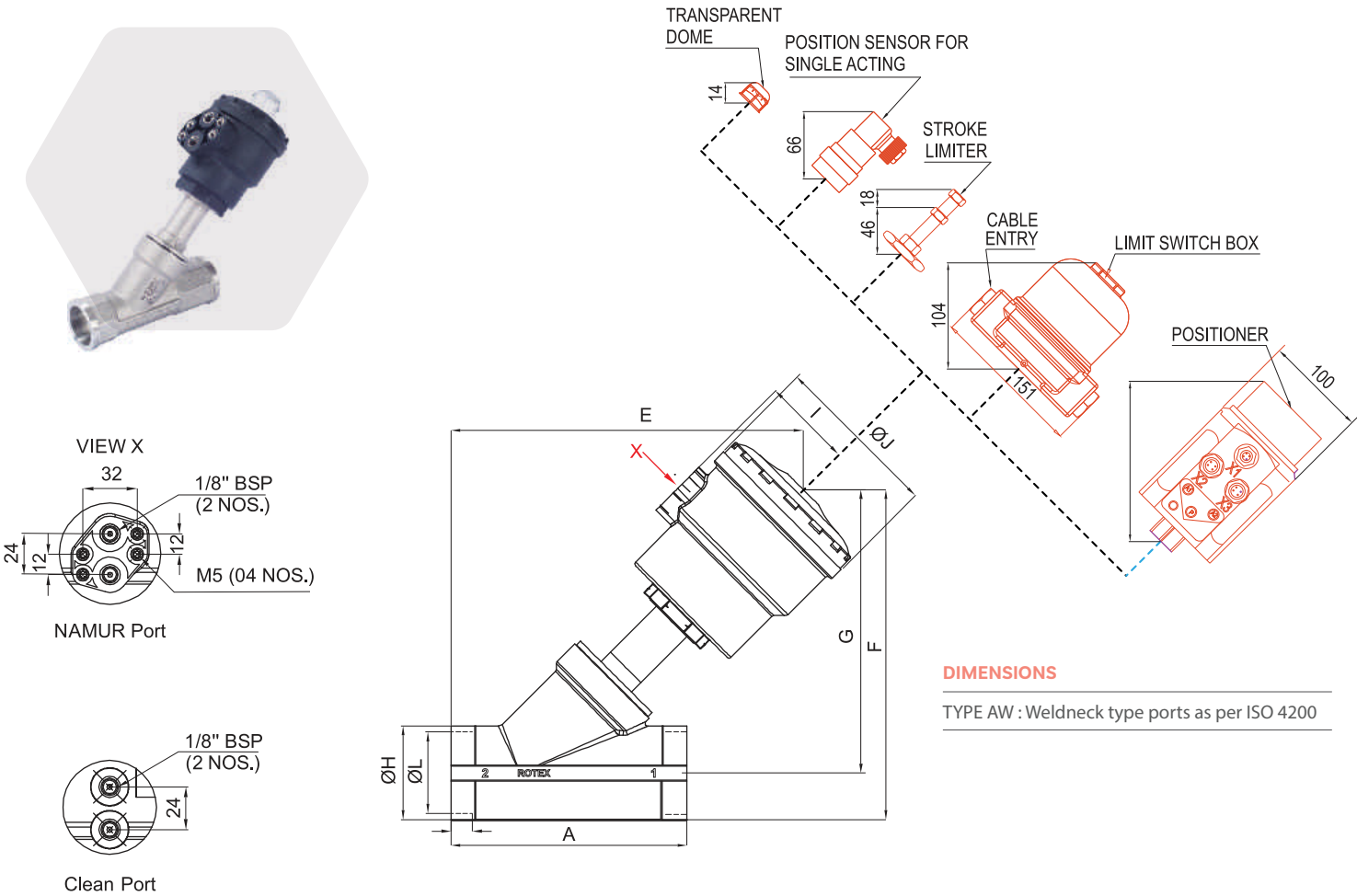
DIMENSIONS

TYPE IV : Threaded ports as per ISO 228/1 and ISO 7/1



(All dimensions are in mm)

Type	DN	Actuator Ø	A	B BSP/ NPT	F	G	ØJ	I	 kg.
IV65090V02	65	90	200	2 1/2"	361	316	124	67	9.1
IV65110V02	65	110	200	2 1/2"	391	316	148	75	10.0
IV80110V02	80	110	235	3"	415	363	148	75	15.3

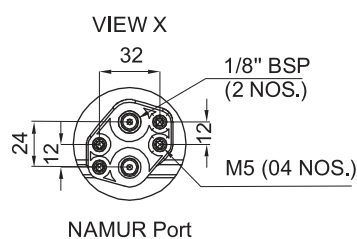
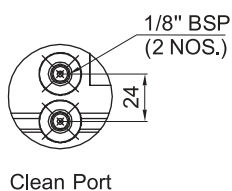
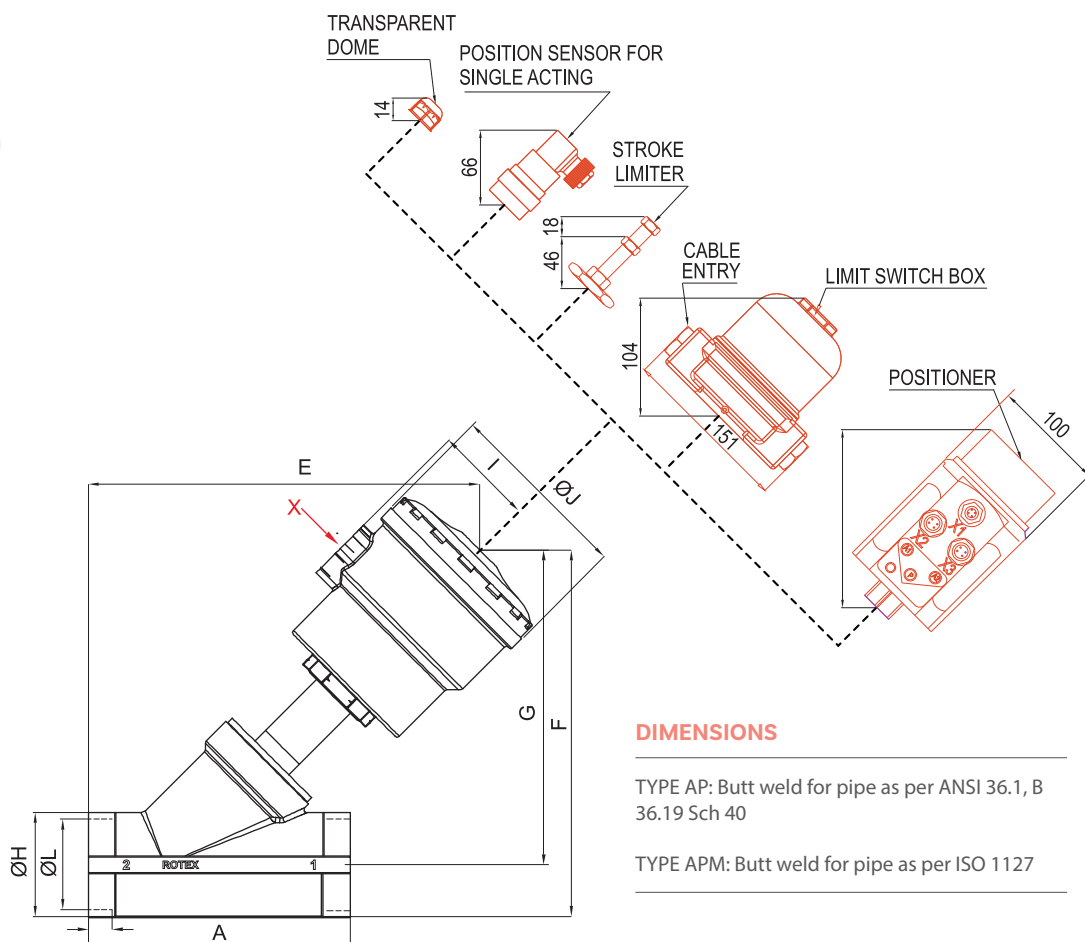


DIMENSIONS

TYPE AW : Weldneck type ports as per ISO 4200

(All dimensions are in mm)

Type	DN	Actuator Ø	A	E	F	G	ØJ	I	ØH	ØL	 kg.
AW12050V01	12	50	100	167	158	146	75	42	24	21.3	1
AW20050V01	20	50	115	171	161	145	75	42	31	26.9	1.1
AW20063V01	20	63	115	185	174	158	93	49	31	26.9	1.5
AW25050V01	25	50	130	177	165	145	75	42	39	33.7	1.4
AW25063V01	25	63	130	190	179	158	93	49	39	33.7	1.6
AW32063V01	32	63	145	200	188	162	93	49	49	42.4	2.1
AW32090V02	32	90	145	233	220	196	124	67	49	42.4	4
AW40063V01	40	63	160	205	199	169	93	49	57	48.3	2.9
AW40090V02	40	90	160	235	229	199	124	67	57	48.3	4.3
AW50063V02	50	63	175	233	218	183	93	49	69	60.3	3.8
AW50090V03	50	90	175	263	248	213	124	67	69	60.3	5.5
AW50110V03	50	110	175	283	248	232	148	75	69	60.3	6.7
IW65090V02	65	90	CONTACT ROTEX								
IW65110V02	65	110									
IW80110V02	80	110									



DIMENSIONS

TYPE AP: Butt weld for pipe as per ANSI 36.1, B 36.19 Sch 40

TYPE APM: Butt weld for pipe as per ISO 1127

(All dimensions are in mm)

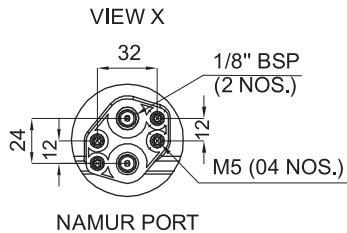
Type	DN	Actuator Ø	A	E	F	G	ØJ	I	 kg.	AP		APM	
										ØL	M	ØL	M
AP/APM12050V01	12	50	115	192	158	146	75	42	1	21.3	5.5	21.3	2.7
AP/APM20050V01	20	50	125	196	161	145	75	42	1.2	26.6	5.7	26.7	2.8
AP/APM20063V01	20	63	125	210	174	158	93	49	1.5	26.6	5.7	26.7	2.8
AP/APM25050V01	25	50	140	202	165	145	75	42	1.6	33.4	6.8	33.4	3.3
AP/APM25063V01	25	63	140	215	179	158	93	49	1.8	33.4	6.8	33.4	3.3
AP/APM32063V01	32	63	160	225	188	162	93	49	2.3	42.1	7.1	42.1	3.5
AP/APM32090V02	32	90	160	258	220	196	124	67	3.3	42.1	7.1	42.1	3.5
AP/APM40063V01	40	63	170	230	199	169	93	49	3	48.2	7.4	48.2	3.6
AP/APM40090V02	40	90	170	260	229	199	124	67	3.2	48.2	7.4	48.2	3.6
AP/APM50063V02	50	63	200	258	218	183	93	49	3.8	60.3	7.8	60.3	3.9
AP/APM50090V03	50	90	200	288	248	213	124	67	4.8	60.3	7.8	60.3	3.9
AP/APM50110V03	50	110	200	308	248	232	148	75	6.6	60.3	7.8	60.3	3.9
IP/IPM65090V02	65	90	CONTACT ROTEX										
IP/IPM65110V02	65	110											
IP/IPM80110V02	80	110											



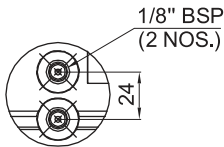
AF



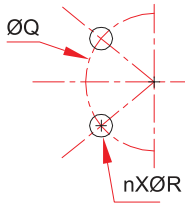
AF300



NAMUR PORT



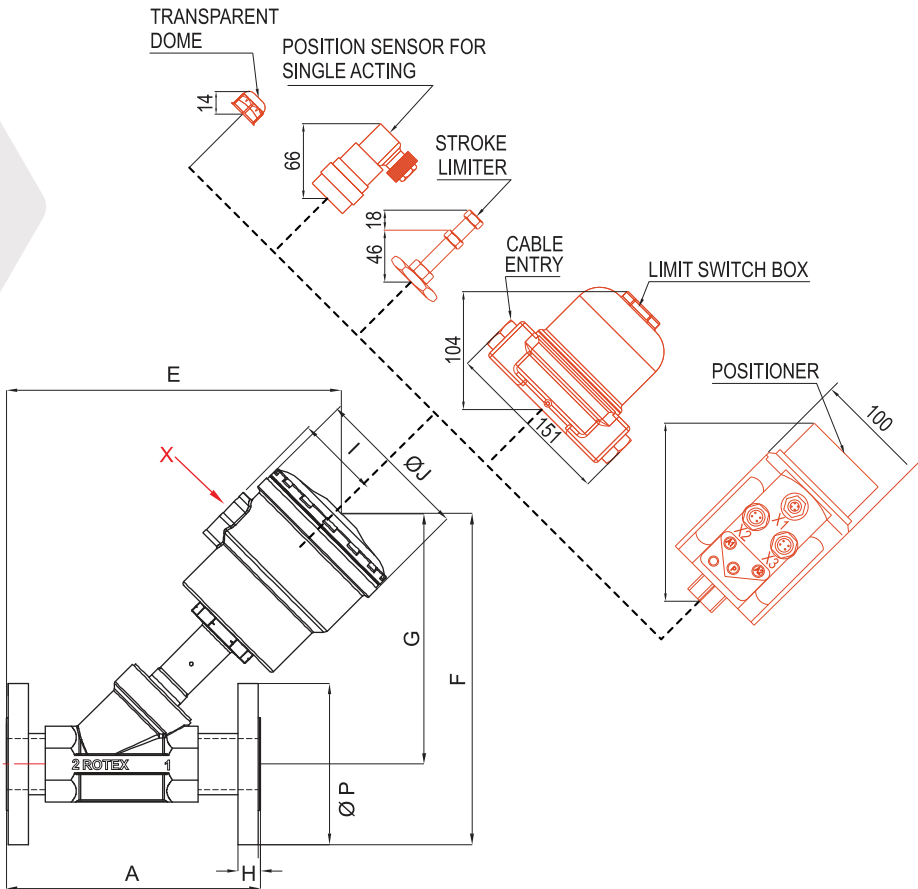
CLEAN PORT



DIMENSIONS

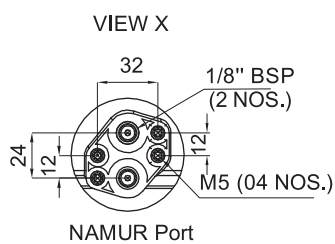
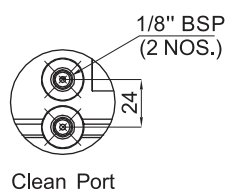
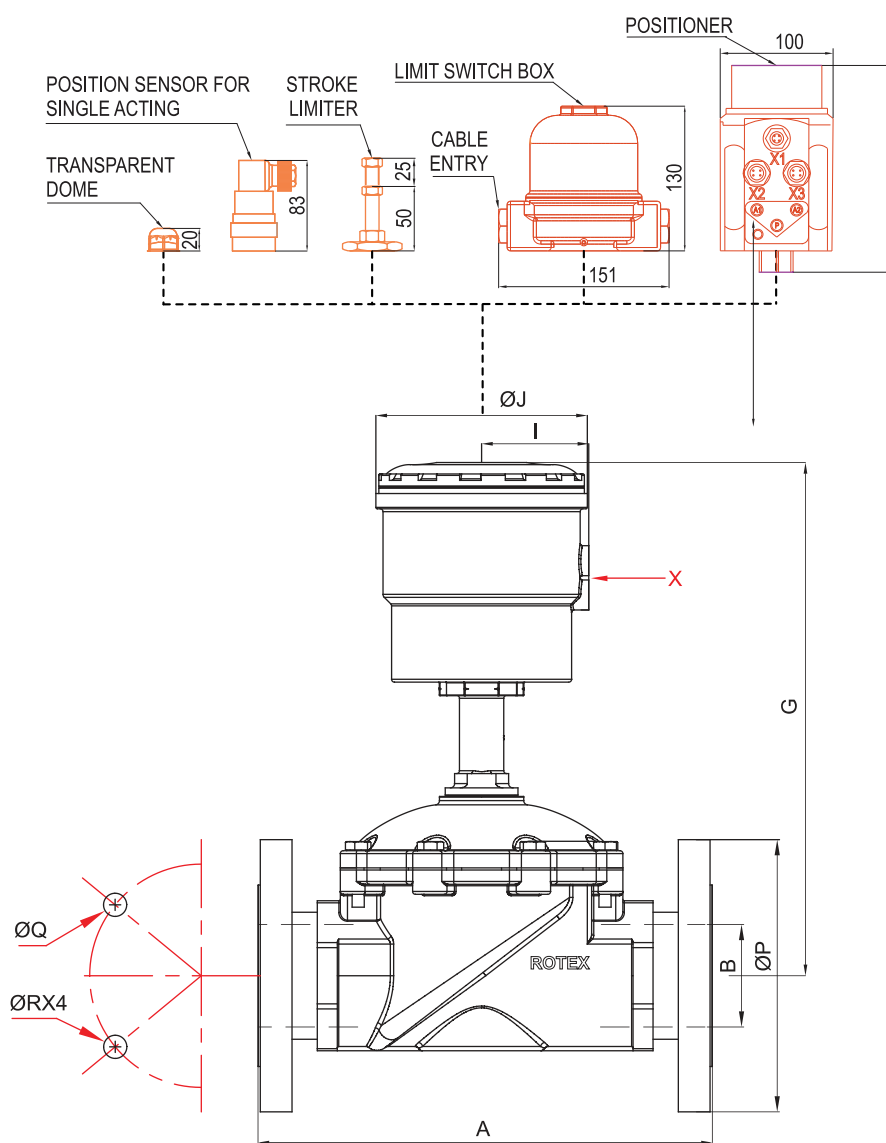
TYPE AF: Flange connection as per ASME 16.5 (#150-RF),
Face to Face distance as per ASME 16.5

TYPE AF300: Flange connection as per ASME 16.5 (#300-RF),
Face to Face distance as per ASME 16.5



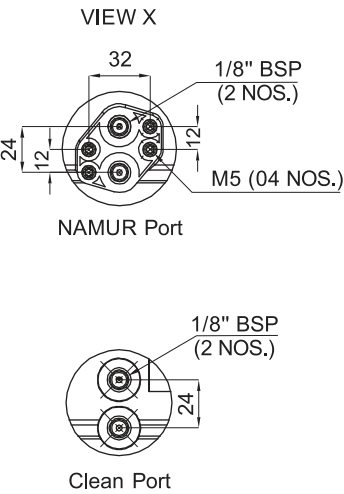
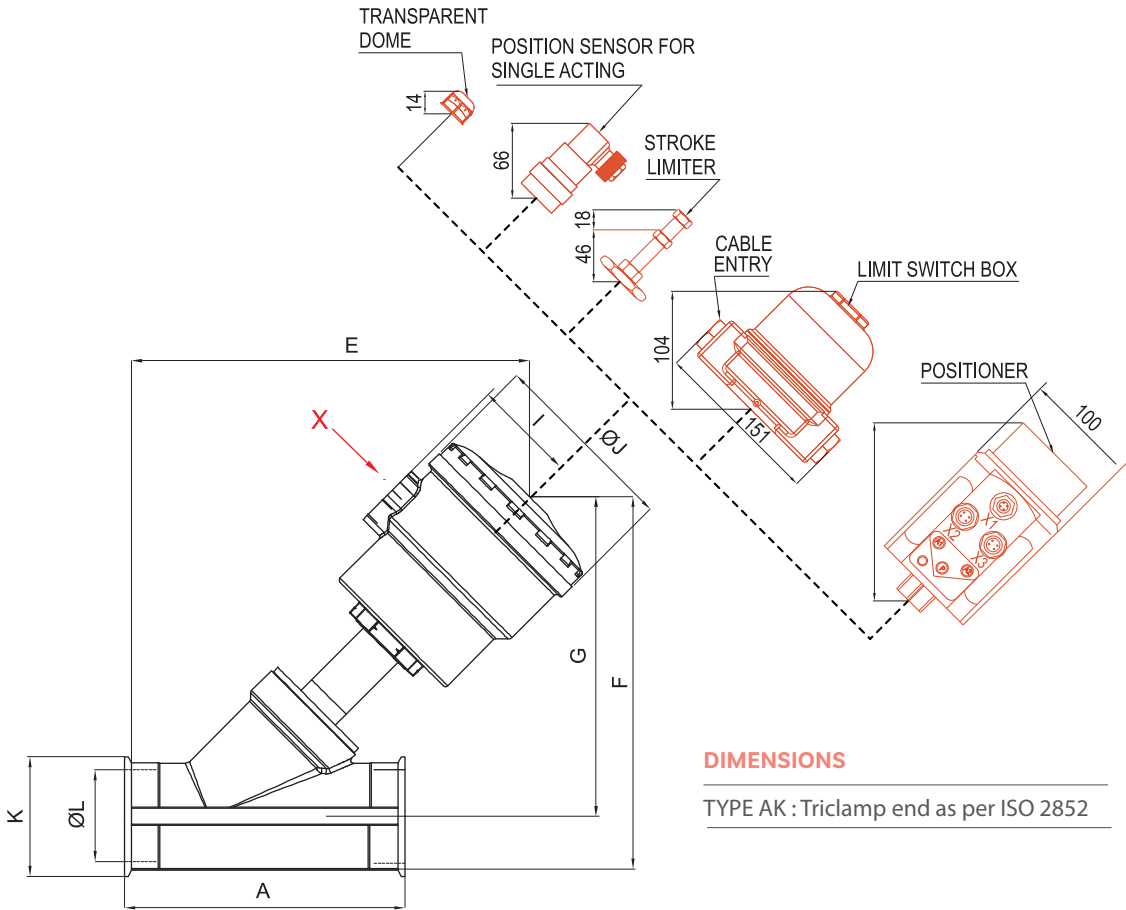
(All dimensions are in mm)

Type	DN	Actuator Ø	G	ØJ	I	AF							AF300						
						A	E	ØP	ØQ	nxØR	H	 kg.	A	E	ØP	ØQ	nxØR	H	 kg.
AF/AF300 12050V01	12	50	140	75	42	108	192	88.9	60.3	4x15.8	11.1	1.8	CONTACT ROTEX						
AF/AF300 20050V01	20	50	140	75	42	152	202	98.4	69.8	4x15.8	12.7	3							
AF/AF300 20063V01	20	63	155	93	49	152	220	98.4	69.8	4x15.8	12.7	2.9							
AF/AF300 25050V01	25	50	140	75	42	127	215	107.9	79.4	4x15.8	14.3	3	203	220	124.0	88.9	4x19.0	17.5	3.5
AF/AF300 25063V01	25	63	155	93	49	127	228	107.9	79.4	4x15.8	14.3	4.2	203	235	124.0	88.9	4x19.0	17.5	4.2
AF/AF300 32063V01	32	63	158	93	49	184	244	117.5	88.9	4x15.8	15.9	4.7	178	230	134.0	98.4	4x19.0	19.0	4.8
AF/AF300 32090V02	32	90	192	112	67	184	280	117.5	88.9	4x15.8	15.9	5.8	178	265	134.0	98.4	4x19.0	19.0	5.9
AF/AF300 40063V01	40	63	188	93	49	165	225	125	98.4	4x15.8	16.4	5.5	240	235	156.0	114.3	4x22.3	20.6	6.6
AF/AF300 40090V02	40	90	204	112	67	165	240	125	98.4	4x15.8	16.4	6.5	240	248	156.0	114.3	4x22.3	20.6	7.5
AF/AF300 50063V02	50	63	197	93	49	214	246	152	120.6	4x19	19.1	8.2	CONTACT ROTEX						
AF/AF300 50090V03	50	90	213	112	67	214	263	152	120.6	4x19	19.1	9.1							
AF/AF300 50110V03	50	110	232	152	77	214	282	152	120.6	4x19	19.1	10.1							
AF/AF300 80110V02	80	110	268	156	87	250	316	190	152.4	4x19	23.8	9.1							



(All dimensions are in mm)

Type	DN	Actuator Ø	B	G	ØJ	I	A	IF					IF300				
								H	ØP	ØQ	n x ØR	kg.	A	H	ØP	ØQ	n x ØR
IF/IF300 65090V02	65	90	62.7	307	112	67	295	22.7	180	139.7	4x19	14	CONTACT ROTEX				
IF/IF300 65110V02	65	110	62.7	333	152	77	295	22.7	180	139.7	4x19	16.0					
IF/IF300 80110V02	80	110	76.2	348	152	77	335	23.8	190.5	152.4	4x19	20.5					

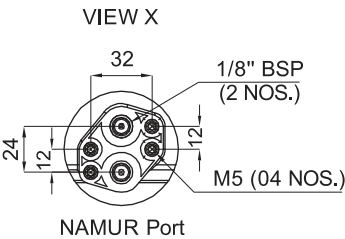
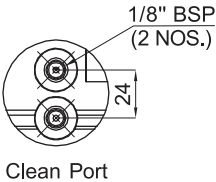
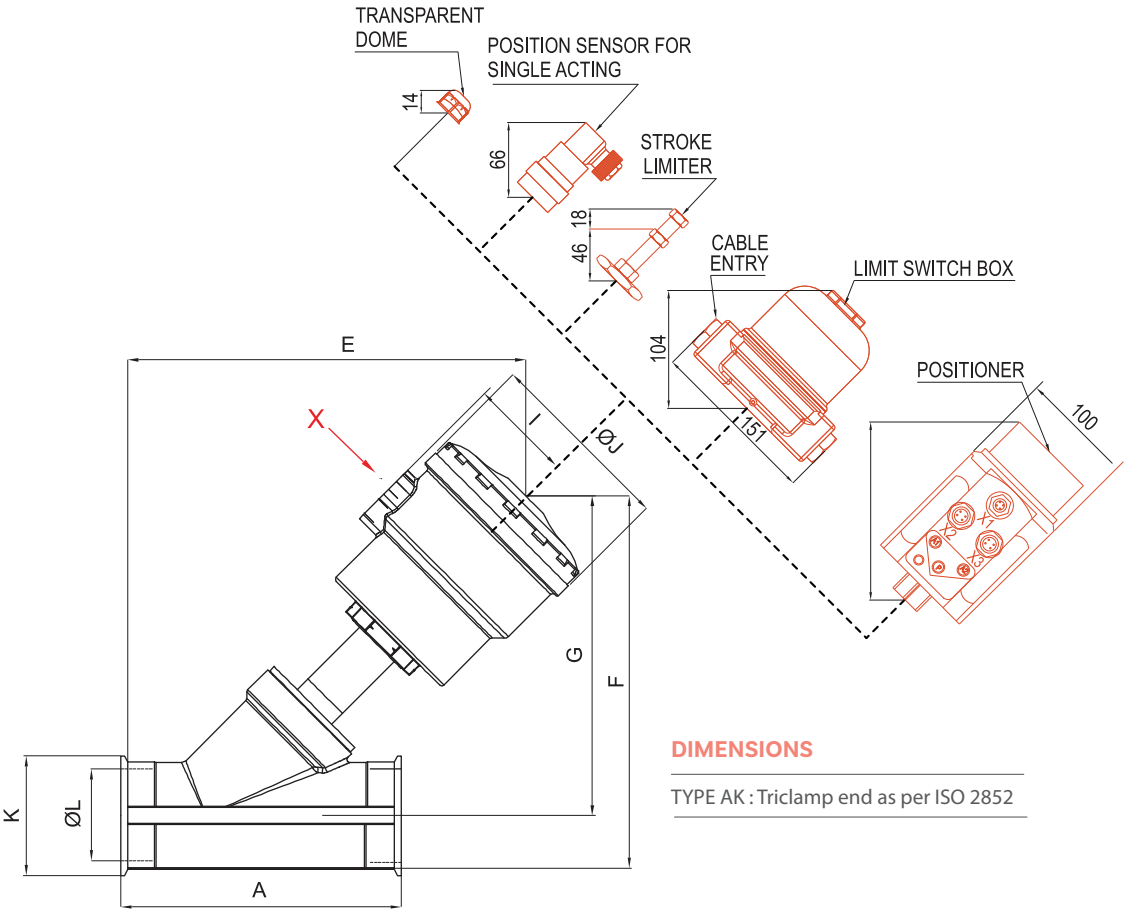


DIMENSIONS

TYPE AK : Triclamp end as per ISO 2852

(All dimensions are in mm)

Type	DN	Actuator Ø	A	E	F	G	ØJ	I	ØL	ØK	 kg.
AK12050V01	12	50	100	168	163	146	75	42	18.1	34	1
AK20050V01	20	50	115	174	171	145	75	42	23.7	50.5	1.3
AK20063V01	20	63	115	183	184	158	93	49	23.7	50.5	1.5
AK25050V01	25	50	130	177	171	145	75	42	29.7	50.5	1.5
AK25063V01	25	63	130	197	184	158	93	49	29.7	50.5	1.7
AK32063V01	32	63	145	205	188	162	93	49	33.6	53.6	2.1
AK32090V02	32	90	145	248	222	196	124	67	33.6	53.6	3.2
AK40063V01	40	63	160	212	201	169	93	49	44.3	64	3
AK40090V02	40	90	160	250	231	199	124	67	44.3	64	4.1
AK50063V02	50	63	190	240	222	183	93	49	55.7	77.5	3.7
AK50090V03	50	90	190	278	252	213	124	67	55.7	77.5	5.3
AK50110V03	50	110	190	316	271	232	148	75	55.7	77.5	6.5
IK65090V02	65	90	CONTACT ROTEX								
IK65110V02	65	110									
IK80110V02	80	110									



DIMENSIONS

TYPE AK : Triclamp end as per ISO 2852

(All dimensions are in mm)

Type	DN	Actuator Ø	A	E	F	G	ØJ	I	ØL	ØK	 kg.
AKU12050V01	12	50	130	194	159	147	74.5	42	9.4	25	1
AKU20050V01	20	50	150	199	159	146	75	42	15.7	25	1.3
AKU25063V01	25	63	160	216	185	160	93	49	22	50	1.7
AKU40090V02	40	90	200	266	225	199	116	69	34.8	50.4	4.8
AKU50110V03	50	110	230	304	263	231	152	77	47.5	64	6.5



Valve with Proximity
Sensor suitable for
Single/ Double Acting



Valve with Flanged end &
Position Sensor box, IP67



Valve with Metallic
Operator, Media and
Pilot 32 bar Hydraulic Oil



Valve with Weld Neck Port
as per ANSI/ ASME
B 36.10 and B 36.19

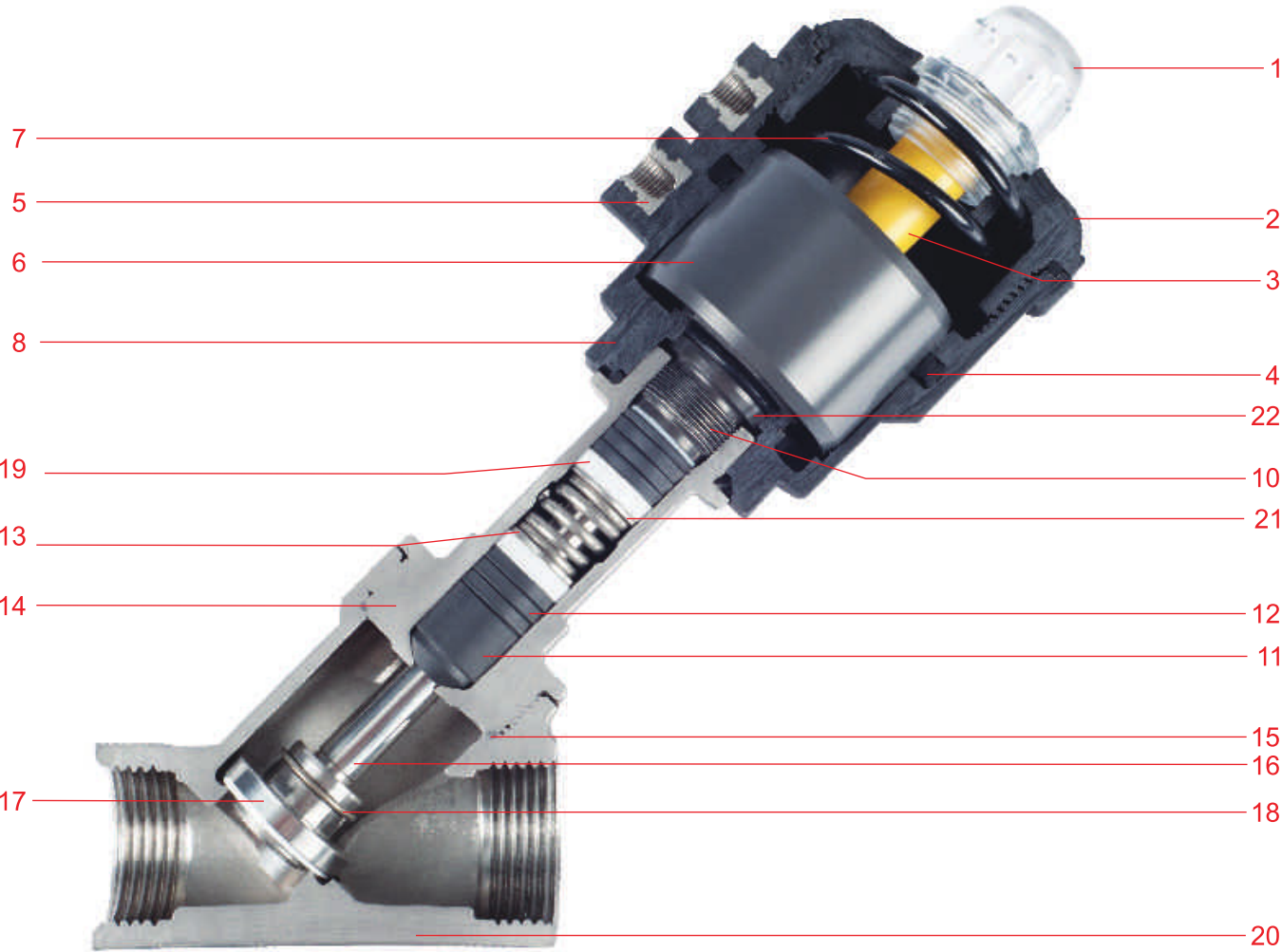


MS flange with lock nut
adopted to Threaded
Port Valve



Valve with mechanical
Stroke Limiter

And Many More...



1	2	3	4	5	6
SPARE KIT	DN-OPERATOR - VERSION	FUNCTION	PILOT	SEAL SEAT	BODY
97	32063V01	F6	P1	※	B13

1	
SPARE KIT	
Operator + Seal Kit + Seat + Sleeve Assembly	97
Seat Assly+Body Seal	96
Sleeve Assembly	95

NOTE

2		
DN-OPERATOR - VERSION ①		
12050	40090	#
12063	50063	V02
20050	50090	V03
20063	50110	
25050	65090	
25063	65110	
32063	80110	
32090		
40063		

3	
FUNCTION	
Normally Closed, Pressure above plug, Single acting	F1
Normally Open, Pressure below plug, Single acting	F2
Normally Closed/ Normally Open, Bi-Directional, Double acting	F4
Normally Closed, Pressure below plug, Single acting	F6

4		
PILOT CONNECTION		
Clean Port	P1	
NAMUR	P2	

5		
SEAL SEAT		
NBR	PTFE	※
VITON	PEEK	S17

6		
BODY		
CF3M	B14	
CF8	B13	

① Do not specify when opted for
Some components of the valves having different version numbers will not interchange; hence, while ordering spares, it is compulsory to mention MM/YY or Sr. No. of the valve.

97-25063V01-F6-P1-B13

Complete assembly of ASV except the body (Ø63 operator, springs for F6 condition, clean port operator, sleeve assembly, shaft and piston assembly and O-rings suitable for 32 NB Normally Closed, Single Acting Angle Seat Valve, insert pressure below plug).

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UNIT 2

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