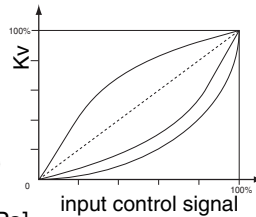


- Easy programming of flow parameters with a micro-processor-based system
- Designed for 2-way valves with threaded bodies, flanges, clamp, or butt welding, series 290, or 3-way valves with threaded bodies, series 390, NC function, fluid entry under the disc
- The valves satisfy Pressure Equipment Directive 97/23/EC, category 1 (DN > 25) or article 3.3 (DN ≤ 25)



GENERAL

Differential pressure	0 to 16 bar [1 bar = 100 kPa]
Maximum allowable pressure	16 bar
Fluid temperature range	See corresponding leaflets
Ambient temperature range	0°C to +50°C
Maximum viscosity	600 cSt (mm²/s)
Pilot fluid	Air or inert gas, filtered 50 µm, lubricated or not
Pilot pressure	See «SPECIFICATIONS» (on the following page)
Pilot fluid temperature	0°C to +60°C
Response time	See V402-5

fluids (*)	temperature range	disc seal (*)
DN ≤ 50 : air and gas groups 1 & 2 DN 65 : air and gas group 2 all DN : water, oil, liquids groups 1 & 2 and steam		See the corresponding leaflets

GENERAL / POSIMATIC POSITIONER

Pilot connection	G 1/4 (for operator dia. 63 to 125 mm)
Nominal supply voltage	24 V DC ± 10%, max. ripple 10%
Analog setpoint	0-10V (R _{in} = 200 kΩ); 0-20 mA, 4-20 mA (R _{in} = 250 kΩ)
Feedback input value	0 - 10 V (R _{in} = 100 kΩ)
Output signals (option)	F
Position feedback	0 - 10 V, 0 - 20 mA, 4 - 20 mA
Alarm output	PNP (24 V / 500 mA)
Error output	PNP (24 V / 500 mA)
Hysteresis	< 1% of full scale
Repeatability	0,5% of full scale
Parameters to be set over menu	Setpoint characteristic curve, freely programmable / direction of manipulated variable, ramp function / manipulated variable range / tight-closing function / 1 error output and 2 alarm outputs

MATERIALS IN CONTACT WITH FLUID

(*) Ensure that the compatibility of the fluids in contact with the materials is verified.

	Bronze body	St. steel body	All AISI 316L
Valve body	Bronze	AISI 316L	AISI 316L ⁽¹⁾
Stuffing box body	PA or brass	AISI 316L	AISI 316L
Stem	Stainless steel	Stainless steel	AISI 316L
Disc	Brass	Stainless steel	AISI 316L
Stuffing box packing	NBR or PTFE chevrons	PTFE chevrons	PTFE chevrons
Wiper seal	FPM	FPM	FPM
Disc seal	NBR or PTFE	PTFE	PTFE
Valve body seal	NBR or PTFE	PTFE	PTFE

CONSTRUCTION

Valve construction	See sections D and F
Pilot connection	G 1/4 (for operator dia. 63 to 125 mm)
Valve disc	Profiled disc (2/2) or standard (3/2)
Disc seal	PTFE
Potentiometer (sensor)	Resistance 500 Ω (protection IP65)
Potentiometer body	Aluminium, black anodized
Posimatic body	Aluminium, synthetic material
Seals	NBR (nitrile)

ELECTRICAL CHARACTERISTICS / POSIMATIC

Electrical connection	Terminals, 2 cable glands (cable Ø 6-10 mm)
Electrical enclosure protection	Moulded IP65 (EN 60529)
Standard voltages	DC (=) : 24V ^{-10% / +10%}

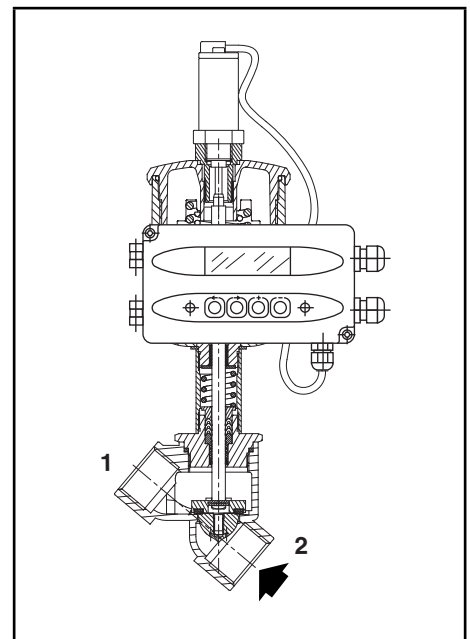
max. power (=)	I max.	ambient temperature range
(W)	(mA)	(C°)
7,2	300	0 to + 50

SPECIFICATIONS (only for NC valves, fluid entry under the disc)

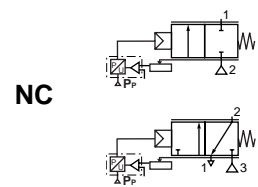
analog signal feedback	suffix for proportional valve and Posimatic positioner ⁽²⁾	
	2 way	3 way
0 - 10 V DC	PDB20	B20
0 - 20 mA	PDB21	B21
4 - 20 mA	PDB22	B22

⁽¹⁾ Including NET-INOX treatment.

⁽²⁾ Place the indicated suffix after the catalogue number of the valve selected. Example : 2 way, E290A016PDB20 - 3 way, E390A016B20. The Posimatic is not mounted on the valve at delivery.

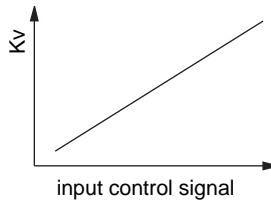


B



FEATURES

- Variable flow proportional to the control signal
- Position feedback value acquired with a potentiometer (sensor)
- Designed for 2-way valves with threaded bodies, flanges, clamp, or butt welding, series 290, or 3-way valves with threaded bodies, series 390, NC function, fluid entry under the disc
- Unit supplied factory-assembled and adjusted for a 2/2 airtight valve. The valve opens at 0,1% of maximum setpoint
- Valves satisfy Pressure Equipment Directive 97/23/EC, category 1 (DN > 25) or article 3.3 (DN ≤ 25)



GENERAL

Differential pressure	0 to 16 bar [1 bar =100 kPa]
Maximum allowable pressure	16 bar
Fluid temperature range	See the corresponding leaflets
Ambient temperature range	0°C to +50°C
Maximum viscosity	600 cSt (mm²/s)
Pilot fluid	Air or inert gas, filtered 50 µm, lubricated or not
Pilot pressure	4 to 10 bar
Pilot fluid temperature	0°C to +60°C
Response time	See V402-5

fluids (*)	temperature range	disc seal (*)
DN ≤ 50 : air and gas groups 1 & 2 DN 65 : air and gas group 2 all DN : water, oil, liquids groups 1 & 2 and steam		See the corresponding leaflets

GENERAL / COMPACT POSITIONER

Pilot connection	G 1/8 (all operators)
Maximum current	150 mA
Nominal supply voltage	24 V DC ± 10%, max. ripple 10%
Max. power	3,6 W
Analog setpoint	See Specifications
Connector size 15	Spade plug, DIN 43650, 9,4 mm, industry standard B 4 pins, catalogue number: 88100240
Coil insulation class	F
Electrical enclosure protection	IP65 (EN 60529)

MATERIALS IN CONTACT WITH FLUID

(*) Ensure that the compatibility of the fluids in contact with the materials is verified.

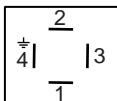
	Bronze body	St. steel body	All AISI 316L
Valve body	Bronze	AISI 316L	AISI 316L (4)
Stuffing box body	PA or brass	AISI 316L	AISI 316L
Stem	Stainless steel	Stainless steel	AISI 316L
Disc	Brass	Stainless steel	AISI 316L
Stuffing box packing	NBR or PTFE chevrons	PTFE chevrons	PTFE chevrons
Wiper seal	FPM	FPM	FPM
Disc seal	NBR or PTFE	PTFE	PTFE
Valve body seal	NBR or PTFE	PTFE	PTFE

CONSTRUCTION

Valve construction	See sections D and F
Valve disc	Profiled disc (2/2) or standard (3/2)
Potentiometer (sensor)	Resistance 500 Ω (protection IP65)
Potentiometer body	Aluminium, black anodized
Positioner body	Aluminium, PA

ELECTRICAL CONNECTION

Compact positioner



- 1 : + 24 V (Power)
 - 2 : 0 V (Power)
 - 3 : Setpoint (0 - 10 V / 0 - 20 mA / 4 - 20 mA)
 - 4 : Feedback (0 - 10 V)
- Pin 4 is not an earth connection

SPECIFICATIONS (only for NC valves, fluid entry under the disc)

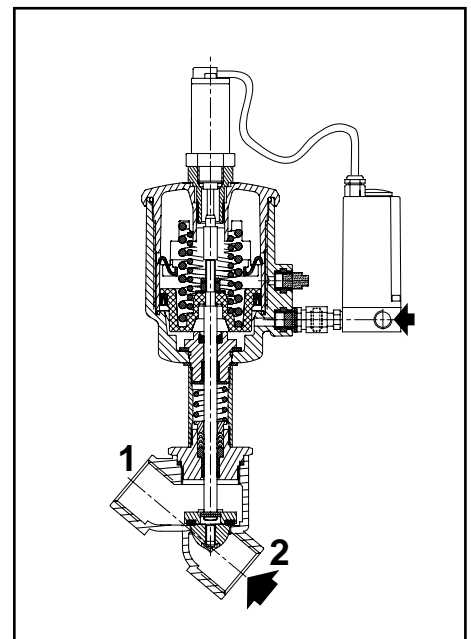
Analog setpoint	suffix for proportional valve and compact positioner (1) (supplied installed on the valve and pre-adjusted)			
	fail position maintained (2)		fail close (3)	
	2 way	3 way	2 way	3 way
0 - 10 V DC	PDB01	B01	PDB04	B04
0 - 20 mA	PDB02	B02	PDB05	B05
4 - 20 mA	PDB03	B03	PDB06	B06

(1) Place the indicated suffix after the catalogue number of the valve selected.

(2) Fail position of the valve disc maintained on loss of power.

(3) Fail close: valve returns to closed position on loss of power.

(4) Including NET-INOX treatment.



B

SPECIFICATIONS

pipe size (DN)	orifice size (mm)	pilot pressure (bar)			operator diameter (mm)	flow coefficient (Kv), programmable opening of proportional valve							
		min.		max.		2 way, threaded				2 way, flanges		3 way, threaded	
		2 way	3 way			compact valve (E290) (bronze)	bronze, stainless steel or all AISI 316L (E290) clamp / butt welding (S290)		bronze or cast iron (T290)		bronze (E390)		
		(m³/h)	(l/min)	(m³/h)			(l/min)	(m³/h)	(l/min)	(m³/h)	(l/min)		
NC - Normally closed, fluid entry under the disc													
1/2 (15)	15	4	-	10	50	4,6	77	4,6	77	-	-	-	-
		-	3	10	63	-	-	-	-	-	-	6	100
3/4 (20)	20	4	-	10	50/63	7,1	118	7,1	118	-	-	-	-
		-	5	10	90	-	-	-	-	-	-	9,6	160
1 (25)	25	4	5	10	63/90	15	250	15	250	11	183	16,2	270
1 1/4 (32)	32	4	5	10	63/90	-	-	21	350	14	233	24	400
		4	-	10	125	-	-	22	367	15	250	-	-
1 1/2 (40)	40	4	5	10	63/90	-	-	29	483	21	350	42,9	715
		4	5	10	125	-	-	44	733	32	533	42,9	715
2 (50)	50	4	5	10	63/90	-	-	40	667	26,5	442	52,8	880
		4	5	10	125	-	-	66	1100	44	733	52,8	880
2 1/2 (65)	65	4	-	10	90	-	-	68	1133	-	-	-	-
		4	-	10	125	-	-	74	1233	-	-	-	-

OPTIONS AND ACCESSORIES (see V435/V436)

- Standard 2/2 NC valve, fluid entry under the disc, with profiled disc only, use suffix **PD**, example: E290A016PD
- Other pipe connections available on request

INSTALLATION

- Valves can be mounted in any position without affecting operation
- Installation/maintenance instructions are included with each valve

SPARE PARTS KITS

pipe size (DN)	spare parts kit no.				
	compact valve (bronze) (E290)	bronze, stainless steel or all AISI 316L (E290) clamp / butt welding (S290)	bronze (T290)	cast iron (T290)	bronze (E390)
1/2 (15)	C131201	C131204 ⁽¹⁾	-	-	C140021 ⁽¹⁾
3/4 (20)	C131202	C131205 ⁽¹⁾	-	-	C140022 ⁽¹⁾
1 (25)	C131203	C131206 ⁽¹⁾	C140017 ⁽¹⁾	C140013	C140023 ⁽¹⁾
1 1/4 (32)	-	C131207 ⁽¹⁾	C140018 ⁽¹⁾	C140014	C140024 ⁽¹⁾
1 1/2 (40)	-	C131208 ⁽¹⁾	C140019 ⁽¹⁾	C140015	C140025 ⁽¹⁾
2 (50)	-	C131209 ⁽¹⁾	C140020 ⁽¹⁾	C140016	C140026 ⁽¹⁾
2 1/2 (65)	-	C131622 ⁽¹⁾	-	-	-

⁽¹⁾ Standard suffix VM is also applicable to kits (see V435).
 - Not available.

ORDERING EXAMPLES:

E	290	A	016	PDB01
E	390	A	016	B01
E	290	A	059	PDB02
E	290	A	102	PDB03

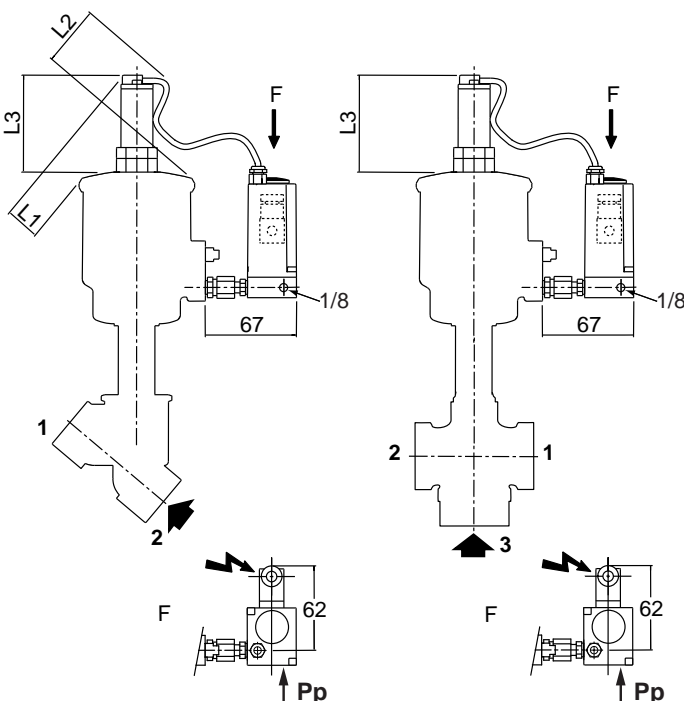
pipe thread ————
 basic number ———— suffix

ORDERING EXAMPLES KITS:

C131201	
C140206	
C140205	VM

basic number ———— suffix

DIMENSIONS (mm), WEIGHT (kg)



operator diameter	L1	L2	L3	weight ⁽¹⁾
50 mm	34	54	81	0,3 ⁽¹⁾
63 mm	25	46	65	0,3 ⁽¹⁾
90 mm	15	36	65	0,3 ⁽¹⁾
125 mm	0	49	111	0,3 ⁽¹⁾

⁽¹⁾ Weight of compact positioner + potentiometer (position sensor), **without** valve.

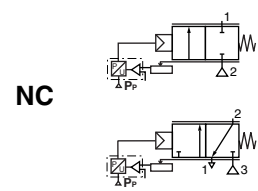
Weight of valves:

2 way versions: weight to be added to the weight of the standard valves (see section D) :

- DN 32/40 : +0,1 kg
- DN 50 : +0,2 kg
- DN 65 : +0,4 kg

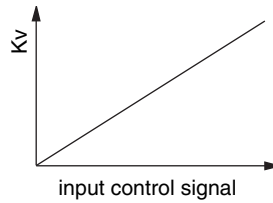
3 way versions: weight identical to that of standard valves (see section F)

All leaflets are available on:



FEATURES

- Precise, quick-acting and robust valve suitable for use in outside industrial environments
- Exceptional long service life
- Variable flow proportional to the control signal
- Real-time control
- Ready-to-use valve
- The positioner can be directly connected to an external sensor (double loop control)
- Power saving function and no air consumption when position is reached
- Manual valve operator
- LED indicators for valve status display

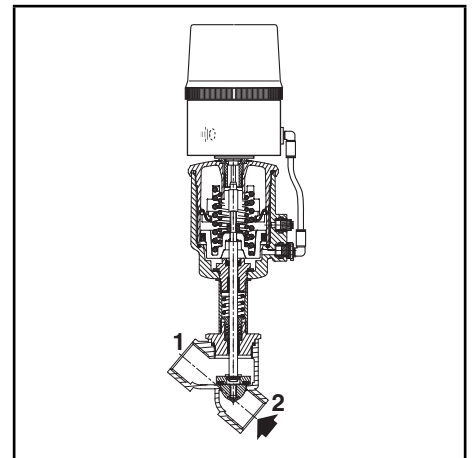


GENERAL

Differential pressure	0 to 16 bar [1 bar = 100 kPa]
Maximum allowable pressure	16 bar
Ambient temperature range	0°C to +50°C
Maximum viscosity	600 cSt (mm ² /s)
Pilot fluid	Air or inert gas, filtered 50 µm, lubricated or not
Pilot pressure	4 to 8 bar
Pilot fluid temperature	0°C to +50°C
Response time	See page V402-5
Fluids	For type, temperature and materials compatibility, see the catalogue pages for the standard valves V405, V410, V420, V431 and V703

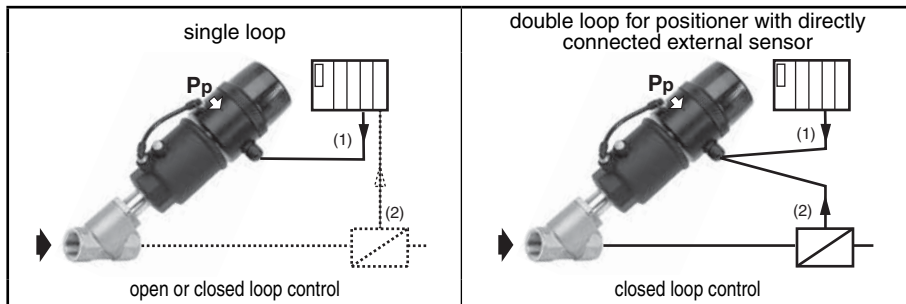
ELECTRICAL CHARACTERISTICS

Setpoint reached output	ON/OFF, 24 V PNP / max. 500 mA
Analog position feedback signal	0-10 V / 4-20 mA
Analog setpoint	0-10V (R _{in} = 200 kΩ); 4-20 mA (R _{in} = 250 Ω)
Nominal supply voltage	24 V DC ± 10%, max. ripple 10%
Power	7,6 W (3,6 W, setpoint reached)
Connection	Screw terminals, cable gland (cable Ø 5-10 mm) or connection M12 (CNOMO E03.62.520.N)
Degree of protection	IP66 (EN 60529)
Electromagnetic compatibility	EMC 2004/108/EC
Regulation characteristics	Hysteresis < 2% ; Accuracy < 2% ; Repeatability < 1%



CONSTRUCTION

Valve construction	See sections D and F
Valve disc (2/2)	Profiled disc, stainless steel and PTFE
Valve disc (3/2)	Standard disc
Positioner body	Aluminium, anodised
Cover	PA 12, transparent



(1) Setpoint
(2) Value measured by the process sensor

SPECIFICATIONS (NC valves, fluid entry under the disc)

analog setpoint	suffix for proportional valve and positioner ⁽³⁾ delivered assembled							
	fail position maintained ⁽⁴⁾				fail close ⁽⁵⁾			
	2 way		3 way		2 way		3 way	
	cable gland	M12	cable gland	M12	cable gland	M12	cable gland	M12
Positioner^D, single loop								
0 - 10 V DC	PDB64	PDB68	B64	B68	PDB66	PDB70	B66	B70
4 - 20 mA	PDB65	PDB69	B65	B69	PDB67	PDB71	B67	B71
Positioner^D, double loop								
0 - 10 V DC	-	-	-	-	PDB72	PDB74	B72	B74
4 - 20 mA	-	-	-	-	PDB73	PDB75	B73	B75

(3) Place the indicated suffix after the catalogue number of the valve selected.

(5) Fail close: valve returns to closed position on loss of power.

(4) Fail position of the valve disc maintained on loss of power.

VALVE SPECIFICATIONS

pipe size (DN)	orifice size	pilot pressure (bar)		operator diameter	flow coefficient (Kv), programmable opening of proportional valve								
					2 way, threaded				2 way, flanges		3 way, threaded		
		min.			max.	compact valve (E290) (bronze) (V405)	bronze, stainless steel or all AISI 316L (E290) (V410) clamp / butt welding (S290) (V420)		bronze (T290) (V431)		bronze (E390) (V703)		
		(mm)	2 way		3 way		(mm)	(m³/h)	(l/min)	(m³/h)	(l/min)	(m³/h)	(l/min)
NC - Normally closed, entry under the disc													
1/2 (15)	15	4	-	8	50	4,6	77	4,6	77	-	-	-	-
		-	3	8	63	-	-	-	-	-	-	6	100
3/4 (20)	20	4	-	8	50/63	7,1	118	7,1	118	-	-	-	-
		-	5	8	90	-	-	-	-	-	-	9,6	160
1 (25)	25	4	5	8	63/90	15	250	15	250	11	183	16,2	270
		4	5	8	63/90	-	-	21	350	14	233	24	400
1 1/4 (32)	32	4	-	8	125	-	-	22	367	15	250	-	-
		4	5	8	63/90	-	-	29	483	21	350	42,9	715
1 1/2 (40)	40	4	5	8	125	-	-	44	733	32	533	42,9	715
		4	5	8	63/90	-	-	40	667	26,5	442	52,8	880
2 (50)	50	4	5	8	125	-	-	66	1100	44	733	52,8	880
		4	5	8	125	-	-	66	1100	44	733	52,8	880
2 1/2 (65)	65	4	-	8	90	-	-	68	1133	-	-	-	-
		4	-	8	125	-	-	74	1233	-	-	-	-

OPTIONS AND ACCESSORIES

- Standard 2/2 NC valve, fluid entry under the disc, with profiled disc only, use suffix PD, example: E290A016PD
- Female M12 connector:

straight	right-angle
catalogue number: 88100256	88100725
5 x 0,25 mm ² , catalogue number: 88100726	88100727
6 x 0,5 mm ² , catalogue number: 88100728	88100729
6 x 0,5 mm ² , catalogue number: 88100730	88100731
- 5 pins, with screw terminals,
- Supply cable 2 m,
- Supply cable 5 m,
- Supply cable 10 m,
- APC software for modification of control parameters (software required for double loop control) available for download at: www.asconumatics.eu
- RS-232 converter, 2 m cable with 9 pin Sub-D connector for PC link, catalogue number **88100732**
- Oxygen service (except DN 65), pressure limited to 15 bar, temperature limited to + 60°C, suffix **N**
- Vacuum applications up to 1,33 10⁻³ mbar, suffix **VM**
- Other pipe connections are available on request

INSTALLATION

- Pilot port G 1/8 according to ISO 228/1
- Compatible with ASTM 1, 2 and 3 oils
- Installation/maintenance instructions are included with each valve
- LED indicators for operating status display and diagnostic functions (Unit can be rotated through 360° around the centreline of the valve operator)

status	hold position
	valve OPEN
	valve CLOSED
	valve moves to open
	valve moves to close
	positioner in initialisation mode
	positioner in manual mode
diagnostics	setpoint > 20,5 mA / 10,25 V
	setpoint < 3,5 mA
	positioner not initialised
	component error



Electrical connection:

Positioner^D, single loop
screw terminals



1	+ 24 V DC, supply	1
2	GND supply	3
3	+ setpoint (0-10 V or 4-20 mA)	2
4	GND setpoint	3
6	disc position feedback	4
7	+ 24V ON/OFF output	5

Positioner^D, double loop
screw terminals



1	+ 24 V DC, supply	1
2	GND supply	3
3	+ setpoint (0-10 V or 4-20 mA)	2
4	GND setpoint	3
5	external sensor input	4
7	+ 24V ON/OFF output	5

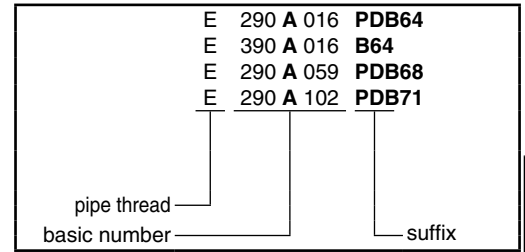
SPARE PARTS KITS

	spare parts kit no.	
	cable gland (cable Ø 5-10 mm)	Positioner ^D only
Fail position maintained, single loop		
0-10 V	60568108	60569108
4-20 mA	60568308	60569308
Fail close, single loop		
0-10 V	60568118	60569118
4-20 mA	60568318	60569318
Fail close, double loop		
0-10 V	60568418	60569418
4-20 mA	60568518	60569518
Mounting kit		
all	C140423	C140423

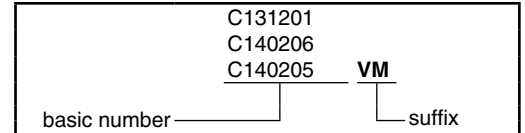
pipe size (DN)	spare parts kit no.			
	compact valve (bronze) (E290)	bronze, stainless steel or all AISI 316L (E290) clamp / butt welding (S290)	bronze (T290)	bronze (E390)
Valve disc seals				
1/2 (15)	C131201	C131204 ⁽¹⁾	-	C140021 ⁽¹⁾
3/4 (20)	C131202	C131205 ⁽¹⁾	-	C140022 ⁽¹⁾
1 (25)	C131203	C131206 ⁽¹⁾	C140017 ⁽¹⁾	C140023 ⁽¹⁾
1 1/4 (32)	-	C131207 ⁽¹⁾	C140018 ⁽¹⁾	C140024 ⁽¹⁾
1 1/2 (40)	-	C131208 ⁽¹⁾	C140019 ⁽¹⁾	C140025 ⁽¹⁾
2 (50)	-	C131209 ⁽¹⁾	C140020 ⁽¹⁾	C140026 ⁽¹⁾
2 1/2 (65)	-	C131622 ⁽¹⁾	-	-

⁽¹⁾ Standard suffix VM is also applicable to kits (see V435).
 - Not available.

ORDERING EXAMPLES:



ORDERING EXAMPLES KITS:



DIMENSIONS (mm), WEIGHT (kg)



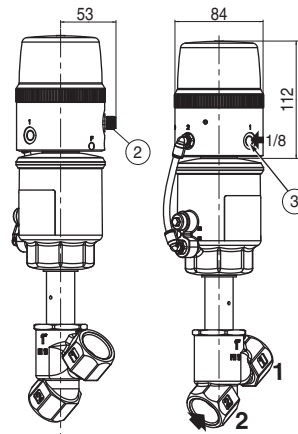
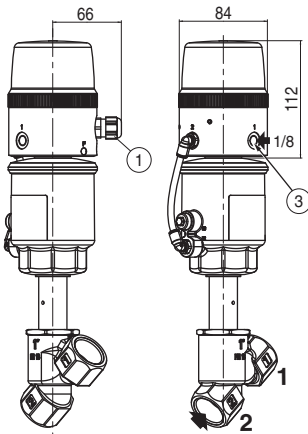
TYPE 01

Enclosure with cable gland
 50 to 125 mm operators
 Fluid entry:
 under the disc at 2



TYPE 02

Enclosure with M12 connection
 50 to 125 mm operators
 Fluid entry:
 under the disc at 2



- ① M16 x 1,5 mm cable gland (cable Ø 5-10 mm)
- ② M12 connection
- ③ G 1/8 pilot connection

Weight of positioner without valve: 0,3 kg

SPECIFICATIONS

pipe size (DN)	orifice size (mm)	pilot pressure (bar)		operator diameter (mm)	flow coefficient (Kv), programmable opening of proportional valve								
					2 way, threaded				2 way, flanges		3 way, threaded		
		min.			max.	compact valve (E290) (bronze)		bronze, stainless steel or all AISI 316L (E290) clamp / butt welding (S290)		bronze (T290)		bronze (E390)	
		2 way	3 way			(m³/h)	(l/min)	(m³/h)	(l/min)	(m³/h)	(l/min)	(m³/h)	(l/min)
NC - Normally closed, fluid entry under the disc													
1/2 (15)	15	4	-	10	63	4,6	77	4,6	77	-	-	-	-
		-	3	10	63	-	-	-	-	-	-	6	100
3/4 (20)	20	4	-	10	63	7,1	118	7,1	118	-	-	-	-
		-	5	10	90	-	-	-	-	-	-	9,6	160
1 (25)	25	4	5	10	63/90	15	250	15	250	11	183	16,2	270
1 1/4 (32)	32	4	5	10	63/90	-	-	21	350	14	233	24	400
		4	-	10	125	-	-	22	367	15	250	-	-
1 1/2 (40)	40	4	5	10	63/90	-	-	29	483	21	350	42,9	715
		4	5	10	125	-	-	44	733	32	533	42,9	715
2 (50)	50	4	5	10	63/90	-	-	40	667	26,5	442	52,8	880
		4	5	10	125	-	-	66	1100	44	733	52,8	880
2 1/2 (65)	65	4	-	10	90	-	-	68	1133	-	-	-	-
		4	-	10	125	-	-	74	1233	-	-	-	-

OPTIONS AND ACCESSORIES (see V435/V436)

- Standard 2/2 NC valve, fluid entry under the disc, with profiled disc only, use suffix **PD**, example: E290A016PD
- Other pipe connections available on request

INSTALLATION

- Valves can be mounted in any position without affecting operation
- Mount the positioner on the valve
- Installation/maintenance instructions are included with each valve

SPARE PARTS KITS

pipe size (DN)	spare parts kit no.			
	compact valve (bronze) (E290)	bronze, stainless steel or all AISI 316L (E290) clamp / butt welding (S290)	bronze (T290)	bronze (E390)
1/2 (15)	C131201	C131204 ⁽¹⁾	-	C140021 ⁽¹⁾
3/4 (20)	C131202	C131205 ⁽¹⁾	-	C140022 ⁽¹⁾
1 (25)	C131203	C131206 ⁽¹⁾	C140017 ⁽¹⁾	C140023 ⁽¹⁾
1 1/4 (32)	-	C131207 ⁽¹⁾	C140018 ⁽¹⁾	C140024 ⁽¹⁾
1 1/2 (40)	-	C131208 ⁽¹⁾	C140019 ⁽¹⁾	C140025 ⁽¹⁾
2 (50)	-	C131209 ⁽¹⁾	C140020 ⁽¹⁾	C140026 ⁽¹⁾
2 1/2 (65)	-	C131622 ⁽¹⁾	-	-

⁽¹⁾ Standard suffix VM is also applicable to kits (see V435).
 - Not available.

ORDERING EXAMPLES:

E	290	A	016	PDB20
E	390	A	016	B20
E	290	A	059	PDB21
E	290	A	102	PDB22

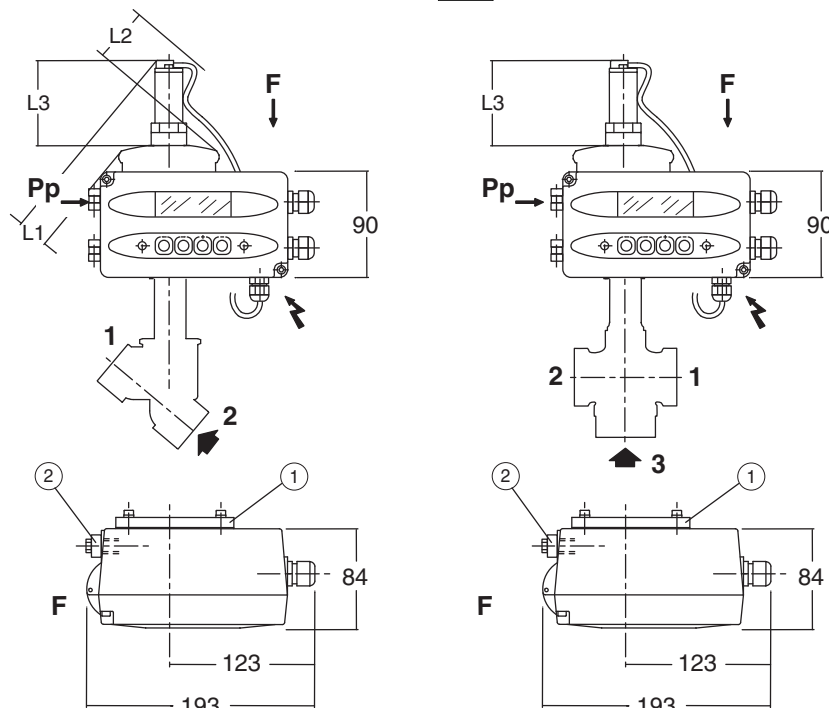
pipe thread ——— basic number ——— suffix

ORDERING EXAMPLES KITS:

C131201	
C140206	
C140205	VM

basic number ——— suffix

DIMENSIONS (mm), WEIGHT (kg)



- ① Adapter plate (supplied):
1/8 (operator dia. 63 mm) ; 1/4 (operator dia. 90-125 mm)
- ② Exhaust protector G 1/4,
(set of 2, catalogue number **97701876**)

operator diameter	L1	L2	L3	weight ⁽¹⁾
63 mm	25	46	65	2,2 ⁽¹⁾
90 mm	15	36	65	2,2 ⁽¹⁾
125 mm	0	37	95	2,2 ⁽¹⁾

⁽¹⁾ Weight of Posimatic positioner + potentiometer (position sensor) **without** valve.

Weight of valves:

2 way versions: weight to be added to the weight of the standard valve (see section D) :

- DN 32/40 : +0,1 kg
- DN 50 : +0,2 kg
- DN 65 : +0,4 kg

3 way versions: weight identical to that of standard valves (see section F)

All leaflets are available on: