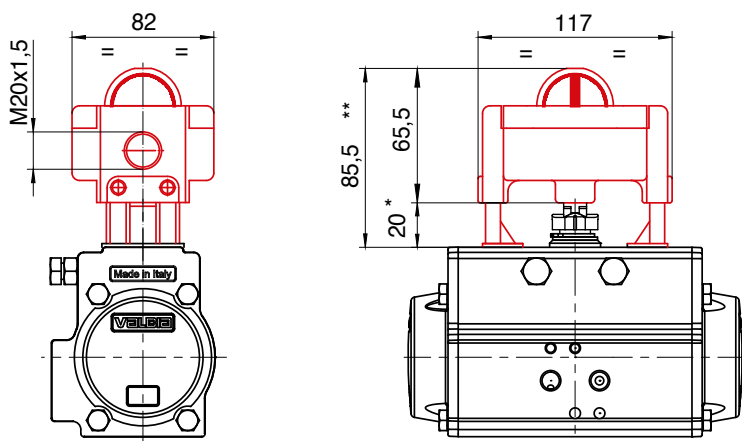


IP65 Limit Switch Box – Reinforced Tecnopolymer Housing



* 30 mod. 115-125-140-160-180-200-230-270

* 50 mod. 330

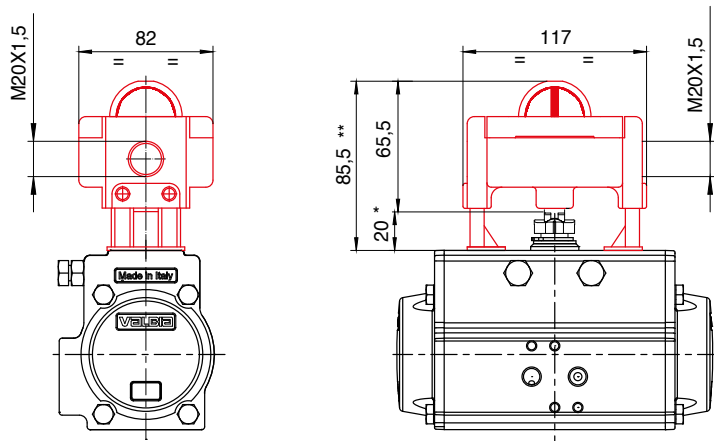
** 95,5 mod. 115-125-140-160-180-200-230-270

** 115,5 mod. 330

Main Characteristics	
Body material	Auto extinguish reinforced tecnopolymer V0
Cover material	Poly-carbonate (UV resistant and auto extinguish)
Shaft material	Reinforced tecno-polymer
Screws	Stainless steel
Protection	IP 65
Working temperature	from -15°C to +80°C
Adjusting cam	Independent
Cable entry	M20X1.5 (1/2"NPT O PG 13.5 optional)

Code	Standard Versions	Actuator Mod.
03900000034	2 electromechanical SPDT limit switches max 5A 250 V AC/3A 24 V DC	52-270
03900000037		32
03900280020		330
03900000035	2 Inductive Namur limit switches P+F NJ2-V3-N (2 wire not amplified) Ex II 2 G/D EEx ia IIC T6 (zone 1.2.21 e 22) ATEX	52-270
03900000039		32
03900280021		330
03900000036	2 Inductive Namur limit switches PNP NO P+F NBB2-V3-E2 (3 wire amplified) 10-30V DC max 100m A	52-270
03900000040		32
03900280022		330

IP65 Limit Switch Box – Die-Cast Nickel Plated Aluminium Housing



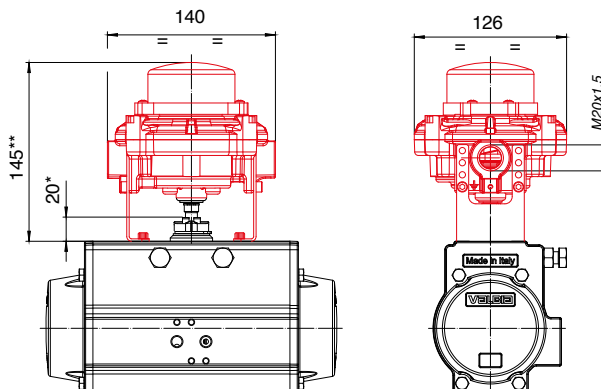
* 30 mod. 115-125-140-160-180-200-230-270
* 50 mod. 330

**95,5 mod. 115-125-140-160-180-200-230-270
** 115,5 mod. 330

Main Characteristics	
Body material	Die-casted nickel plated aluminium
Cover material	Poly-carbonate (UV resistant and auto extinguish)
Shaft material	Reinforced tecno-polymer
Screws	Stainless steel
Protection	IP 65
Working temperature	From -15°C to +80°C
Adjusting cam	Independent
Cable entry	M20X1.5 (1/2"NPT O PG 13.5 optional)

Code	Standard Versions	Actuator Mod.
03900000116	2 electromechanical SPDT limit switches max 5A 250 V AC/3A 24 V DC	52-270
03900280003		32
03900280023		330
03900000117	2 Inductive Namur limit switches PNP NO P+F NBB2-V3-E2 (3 wire amplified) 10-30V DC max 100m A	52-270
03900280004		32
03900280024		330

Explosion Proof ATEX, Ex II 2GD Ex d IIC, IECEx Limit Switch Box



* 30 mod. 115-125-140-160-180-200-230-270
* 50 mod. 330

** 155 mod. 115-125-140-160-180-200-230-270
** 174 mod. 330

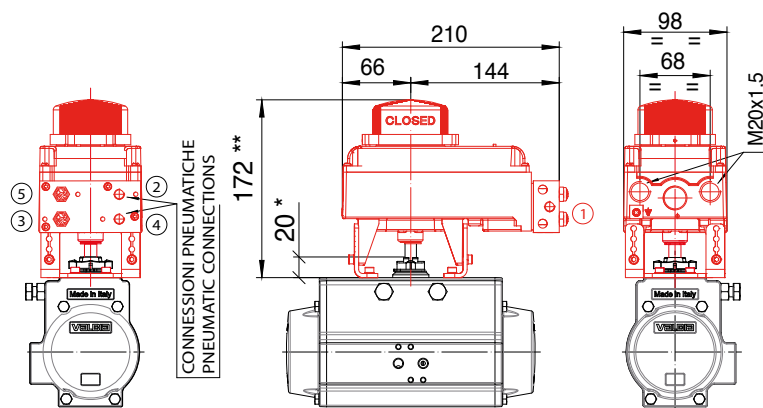
Main Characteristics

Type	ATEX, Ex II 2GD Ex d IIC, IECEx
Body material	Die cast aluminium with polyester powder coating
Cover material	Die cast aluminium with polyester powder coating
Shaft material	Stainless steel
Protection	IP67
Working temperature	Standard -20°C + 80°C
Adjusting cam	Independent (splined)
Position indicator	Tri-dimensional, high size
Cable entry	M20x1.5 (1/2"NPT optional)
Mounting kit for actuator	Stainless steel

Code	Standard Versions	Actuator Mod.
03900280030	2 electromech SPDT silver plated contacts max 5A@250VAC-3A@24VDC min 50mA@250VAC 50mA@24VDC	32
03900000156		52-270
03900280031		330
03900280032	2 proximity PNP NO P+F NBB2 V3 E2, 3 wire amplified, 10-30VDC, 100mA	32
03900000157		52-270
03900280033		330

NEW

IP67 Limit Switch Box with integral Solenoid Valve- Epoxy Coated Aluminium Housing

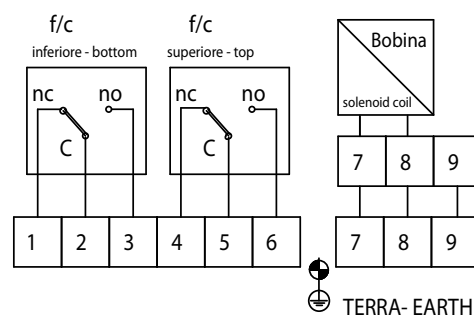


* 30 mod. 115-125-140-160-180-200-230-270

** 182 mod. 115-125-140-160-180-200-230-270

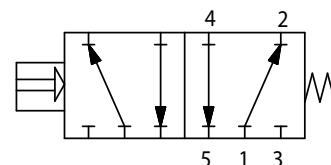
Main Characteristics	
Body material and cap	Epoxy coated aluminium
Cover material	UV resistant and V0 polycarbonate
Solenoid valve material	Black anodised aluminium
Seat	NBR
Shaft material	Stainless Steel
Mounting kit for actuator	Stainless Steel
Screws	Stainless Steel
Protection	IP67
Certified	CE
Working temperature	from -20°C to +50°C
Operating pressure	from 2.5 bar to 8 bar
Fluid	Filtered, lubricated or non lubricated compressed air (also dried to a dew point of -20°C)
Pneumatic connections	1/4" NPT - without gauges
Adjusting cam	Splined
Limit switch	n°2 electromec SPDT silver plated contacts Max5A@250VAC - 3A@24VDC min. 50mA@250VAC - 50mA@24VDC
Terminal stript	PCB (9 poli-poles)
Position indicator	3D
Cable entry	n°2 M20 x 1.5

SCHEMA DI FUNZIONAMENTO - WORKING SCHEME



FUZIONAMENTO FINECORSA - LIMIT SWITCH FUNCTION		
	POSIZIONE ATTUATORE - ACTUATOR POSITIONER	
	COW APERTO - OPEN	COW CHIUSO - CLOSE
SW2 Superiore - top		
SW1 Inferiore - bottom		

SCHEMA DI FUNZIONAMENTO ELETTROVALVOLA - SOLENOID VALVE PNEUMATIC DIAGRAM



L'elettrovalvola 5/2 può essere trasformata in una 3/2 semplicemente tappando la porta n°2
5/2 solenoid valve can be used as 3/2 just closing the port n°2

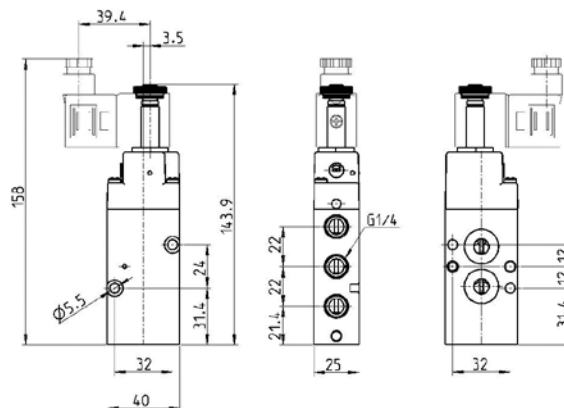
Code	Standard Versions	Actuator Mod.
03900000100	BOX with EV 3-5/2 24 V DC - 2.3W	52-270
03900000140	BOX with EV 3-5/2 24 V AC - 2.8 VA	
03900000141	BOX with EV 3-5/2 110 V AC - 2.8 VA	
03900000142	BOX with EV 3-5/2 230 V AC - 2.8 VA	

Not suitable for mod. 330

Standard Namur Solenoid Valve



3/2 and 5/2 way Namur Solenoid Valves includes standard coil and Din connector for use with double acting and single acting Pneumatic Actuators. Body Aluminium, spool Stainless Steel and seals NBR.



Also available
SOL/SOL

Part Number

NA34 15 02 + voltage (3-2) Sol Spring

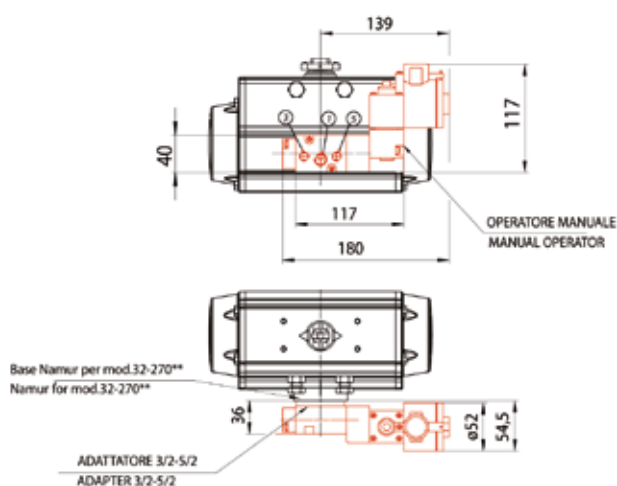
NA54 15 02 + voltage (5-2) Sol Spring

Special Namur Solenoid Valve



Explosion Proof 3/2 and 5/2 Namur direct mount solenoid valve. For use with double acting and single acting Pneumatic actuators.

Body Aluminium. IP65 protection. M20 x 1.5 conduit entry. Explosion proof to EExd IIC T4/T6 (AC = T4/DC = T6) ATEX II 2GD.



Part Number

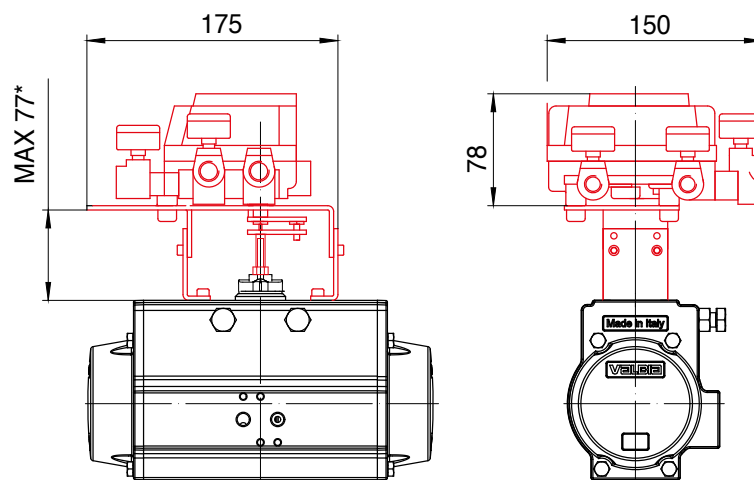
03700000153 EV 3-5/2 Namur 24 V DC

03700000154 EV 3-5/2 Namur 24 V AC (50/60 Hz)

03700000155 EV 3-5/2 Namur 110 V AC (50/60 Hz)

03700000151 EV 3-5/2 Namur 240 V AC (50/60 Hz)

Pneumatic Positioner

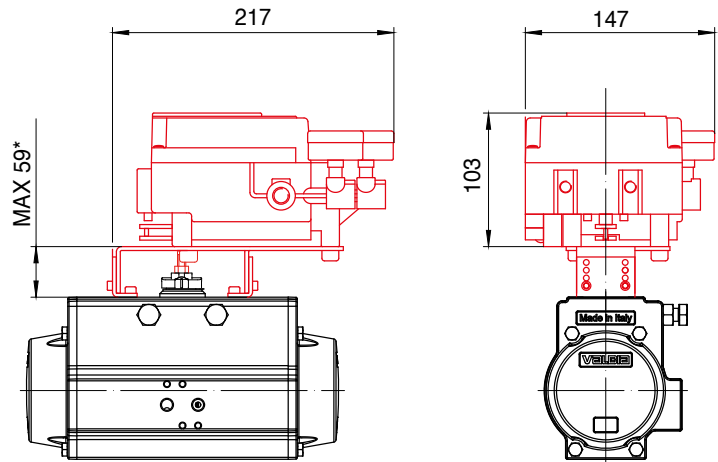


*97 mod. 330

Main Characteristics	
Supply pressure	1.4 - 7 bar
Input pressure	0.2 - 1 bar
Standard stroke	0°-100° Minimum adjustment > 60°
Sensitivity	Within 0.5% FS
Linearity	Within +/- 2% FS
Hysteresis	Within 1% FS
Repeatability	Within +/- 0.5% FS
Working temperature	-20°C - 80°C
Terminal coefficient	Within 0.1% FS/°C
Explosion proof system	CE Ex II 2GDcT5/T6
Connections	Rc (PT) 1/4"
Material	Die cast aluminium
Weight	1.2 Kg
Protection (rate)	IP55

Code	Standard Versions	Actuator Mod.
31600000030	Pneumatic positioner	52-270
31600280002		330

Electro-Pneumatic Positioner



*79 mod. 330

Main Characteristics	
Input current	4 - 20 mA cc (standard)*
Input resistance	235 +/- 15 Ω (4 - 20 mA cc)
Supply pressure	1.4 - 7 bar
Standard stroke	0°-100° Minimum adjustment > 60°
Sensitivity	Within 0.5%
Linearity	Within +/- 2%
Hysteresis	Within 1%
Repeatability	Within +/- 0.5% F S
Thermal coefficient	Within 0,1% F S/ °C
Working temperature	-20°C - 80°C
Connections	1/4" NPT
Electrical connections	M20 x 1.5
Material	Die cast aluminium
Weight	2.4 Kg
Classification of protection degree	IP65
Parameters	Ui ≤ 28V, Ii ≤ 125 mA, Pi ≤ 1.2W, Ci ≤ OnF, Li ≤ OmH

*: On the standard model it is possible 1/2 split this rate selecting the angular stroke.

Code	Standard Versions	Actuator Mod.
31600000029	 Electro-pneumatic positioner 4-20mA atex intrinsic safety type of explosion protected construction II 2G Ex ib II C T5/T6 Approval KEMA No. 03 ATEX1119	52-270
31600280001		330
31600000035	Electro-pneumatic positioner 4-20mA with feed back signal 4-20mA	52-270
31600280003		330

Flow Microregulator



Code	
31501000003	Bi-directional flow regulator for actuators mod. from 32 to 85 (1/8" connection)
31502000008	Bi-directional flow regulator for actuators mod. from 100 to 270 (1/4" connection)
31504000002	Uni-directional output flow regulator for mod. 330 (1/2" connection)

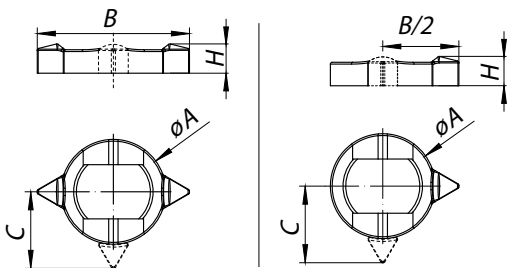
Position Indicator Kit



Actuator Mod.	ØA	B	C	H
32-52	22	34.5	18.7	8.1
63	22	34.5	18.7	8.1
75	29	42	21.2	8.1
85-100	29	42	21.2	8.1
115-125	44	64	36	10

Actuator Mod.	ØA	B	C	H
140	44	64	36	10
160	60	80.5	42	10
180	60	80.5	42	10
200-230-270-330	60	80.5	42	10

Code	Standard Versions
RI4490	Position indicator kit for actuator mod. 32-52
RI4491	Position indicator kit for actuator mod. 63
RI4492	Position indicator kit for actuator mod. 75
RI4493	Position indicator kit for actuator mod. 85-100
RI4494	Position indicator kit for actuator mod. 115-125
RI4495	Position indicator kit for actuator mod. 140
RI4496	Position indicator kit for actuator mod. 160
RI4497	Position indicator kit for actuator mod. 180
RI4498	Position indicator kit for actuator mod. 200-330

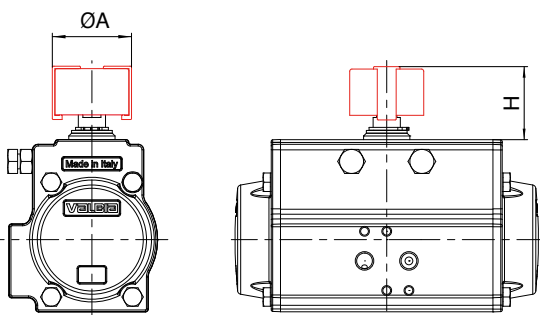


3D Position Indicators

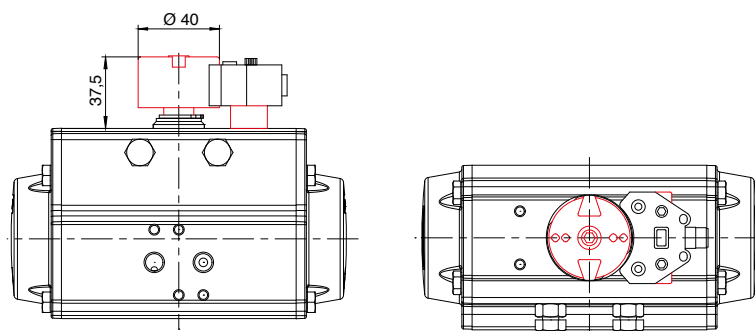


Actuator Mod.*	ØA	H
32-75	43	30
85-100	43	40
115-270	68	54
330	68	74

Code	Standard Versions
RI4550	Position indicator kit for actuator mod. 32-75
RI4551	Position indicator kit for actuator mod. 85-100
RI4553	Position indicator kit for actuator mod. 115-330

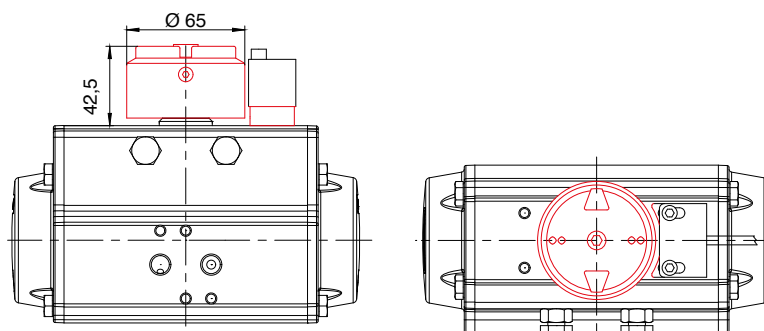


Mounting Kit for PEPPERL+FUCHS Inductive Limit Switches



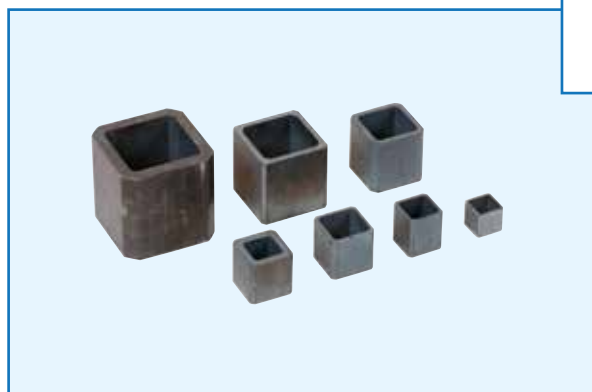
Code	Actuator Mod.
RI3371	52-100

Mounting Kit for Inductive IFM Limit Switches



Code	Actuator Mod.
RI3372	52-100

Square Adapters



Material		
AISI 316	Steel	
Code	Code	Dimensions (mm)
04400110902	04400110901	Square 11 x 9
04400140901	04400141101	Square 14 x 11
04400141102	04400171101	Square 17 x 11
04400171402	04400171401	Square 17 x 14
04400221702	04400221701	Square 22 x 17
04400272202	04400272201	Square 27 x 22
04400362702	04400362701	Square 36 x 27