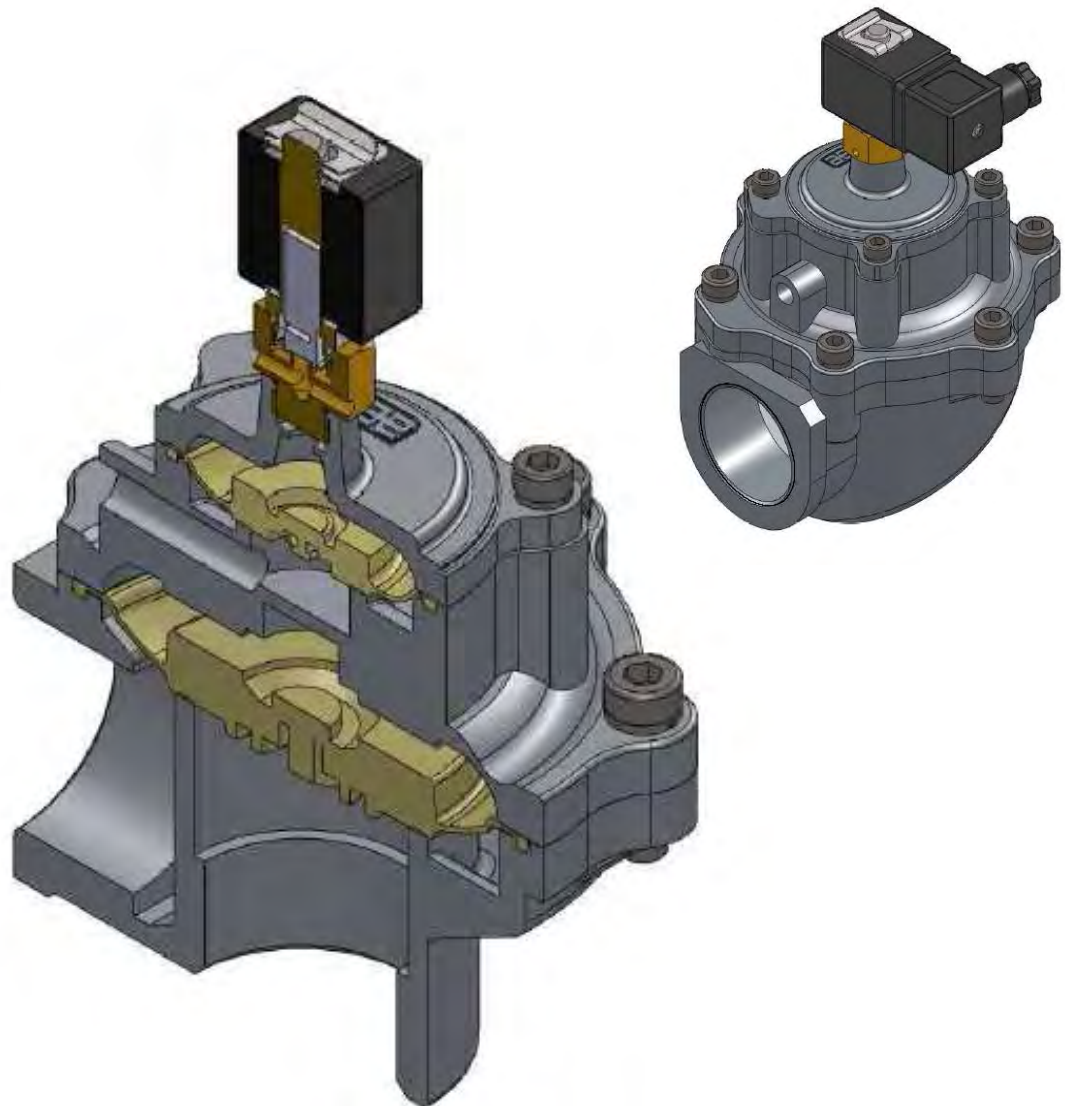


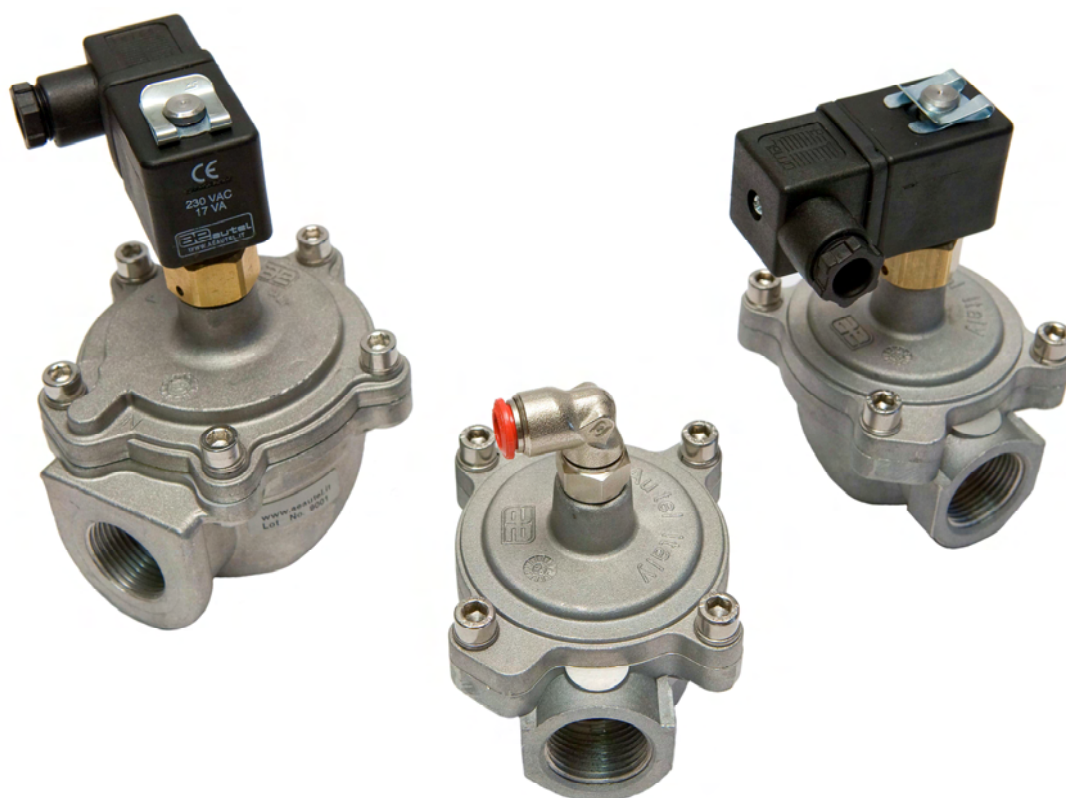


VALVES

Latest version: January, 14th 2010



Autel offer a wide range of valves from from $\frac{3}{4}$ " to 3". Autel'valves are characterized by a quick opening which allows in a short time a high jet and a reduced air consumption. All that is obtained thanks to a deep technological study of the internal geometrical characteristics and **diaphragm**, the key componet for valve performance. All that guarantees a quick openings and closures and a working for over a million of shots.



Technical specification

General specification

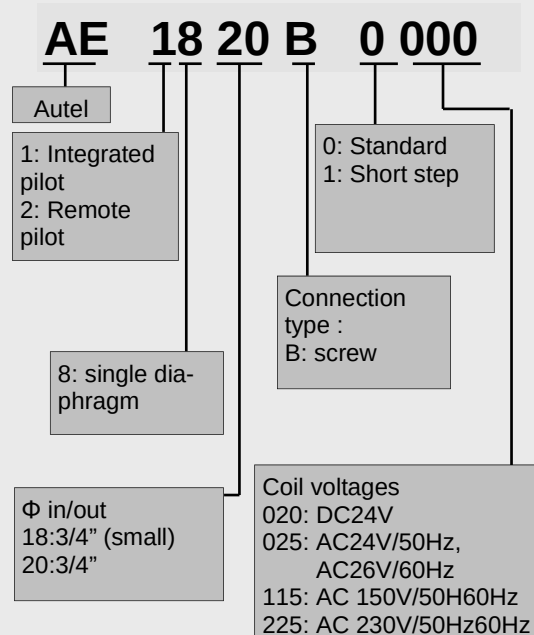
Static operation	Normally closed
Working temperature*	-40°C + 100°C continuously +100°C +120°C per 1 minuto
Max Pressure	8 Bar
Connection	Screw Type Gas step
Material	Die Cast, Sandblast aluminium
Pilot	Stainless steel

*With temperatures lower than 0°C make sure that the fluid is completely void of humidity using appropriate dryers

Electric Specification

Connector	Pg9 IP 65
Conn. Insulation class	C-VDE 0110
Connector specification	Din 43650 – ISO 4400
Voltages	230-150-24 V / 50-60 HZ AC 24 V DC
Power Absorption	17 VA AC / 17 W DC

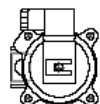
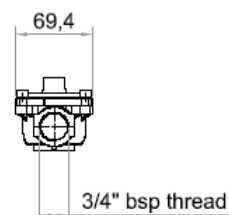
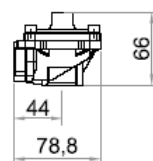
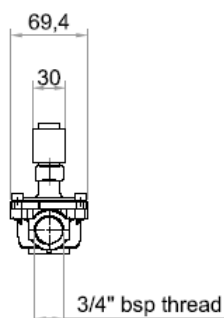
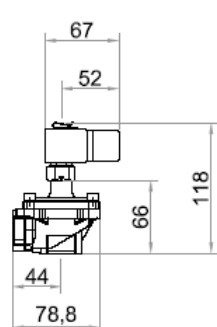
How to order



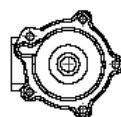
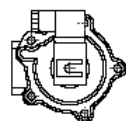
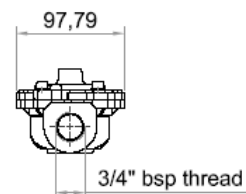
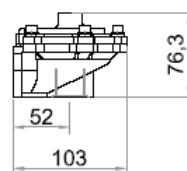
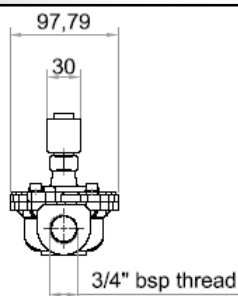
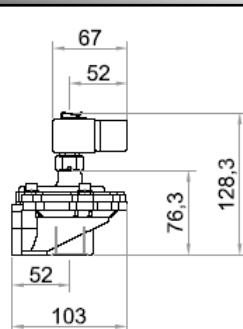
Models

Model	Φ in/out	Control	Rapid Conn.	Diaphragm N°	Weight (KG)
AE1818B0000	3/4"	Integrated	No	1	0,46
AE1820B0000	3/4"	Integrated	No	1	0,84
AE2818B0000	3/4"	Remot	Available	1	0,26
AE2820B0000	3/4"	Remot	Available	1	0,64

AE2818B0, AE2820B0



AE1818B0, AE1820B0

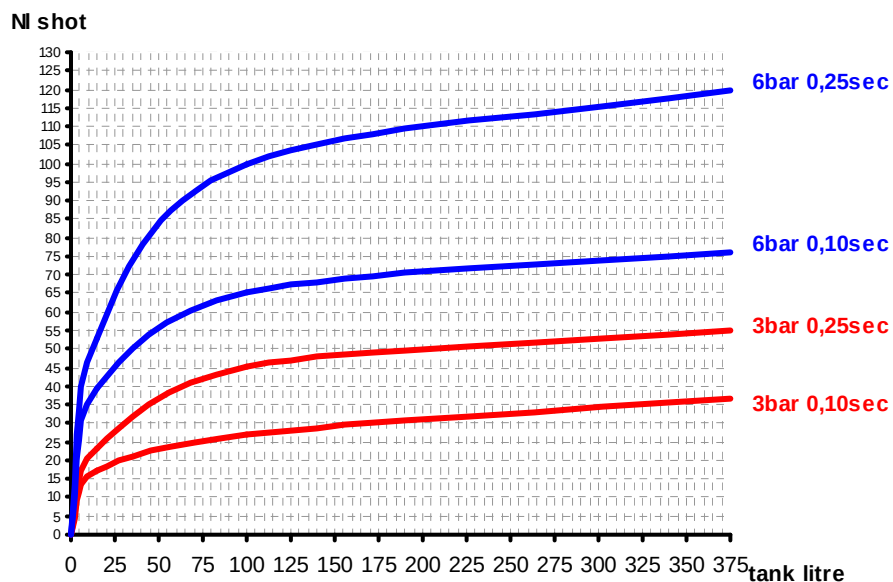


AE1818B0, AE1820B0

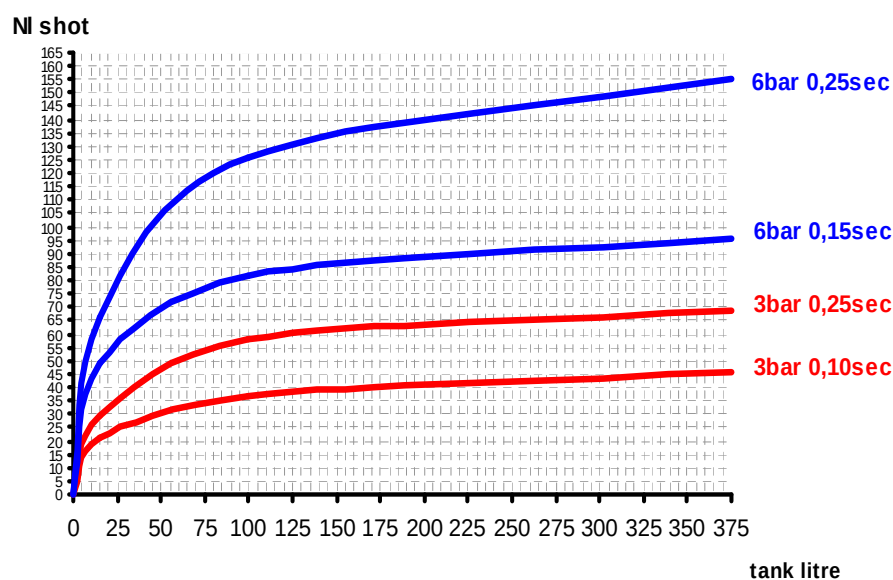
AE2818B0, AE2820B0

Air consumption

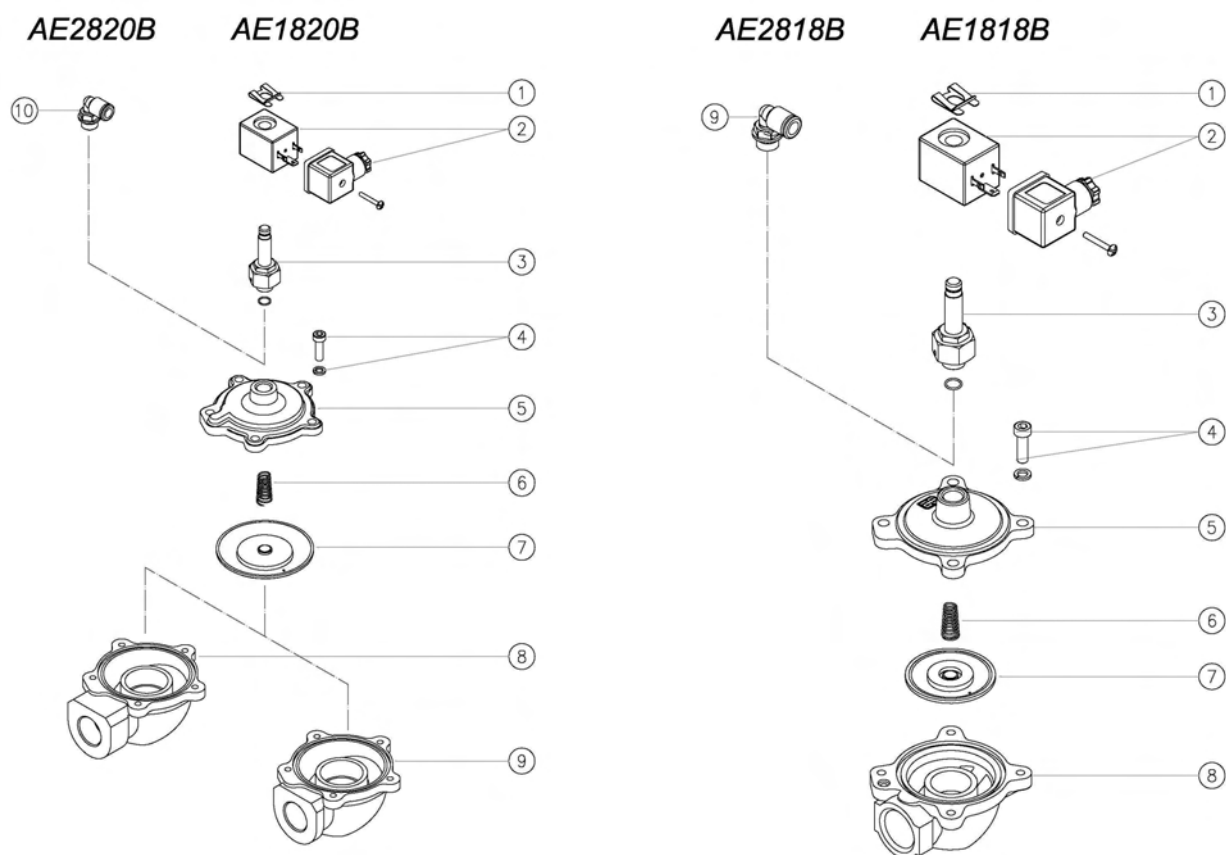
Consumption 3/4" small Autel Valve
AE1818B AE2818B AE1818B AE2818B



Consumption 3/4" Autel Valve
AE1820B AE2820B AE1820B AE2820B



Spare parts



ITEM	Pilot group	Coil	Pilot	Kit Diaphragm	Cover
AE1818Bxxx	SYS 10 (1,2,3)	BC10 (2)	P10 (3)	MD20KIT (6,7)	C20 (5)
AE1820Bxxx	SYS 10 (1,2,3)	BC10 (2)	P10 (3)	MD20KIT (6,7)	C20 (5)
AE2818Bxxx	SYS 10 (1,2,3)	BC10 (2)	P10 (6)	MD20KIT (6,7)	C20 (5)
AE2820Bxxx	SYS 10 (1,2,3)	BC10 (2)	P10 (3)	MD20KIT (6,7)	C20 (5)



Technical Specification

General Specification

Static operation	Normally closed
Working temperature*	- 40°C + 100°C continuously +100°C +120°C per 1 minute
Max Pressure	8 Bar
Connection	Screw Type Gas step
Materiale	Die Cast, Sandblast aluminium
Pilota	Stainless steel

*With temperatures lower than 0°C make sure that the fluid is completely void of humidity using appropriate dryers

Electric Specification

Connector	Pg9 IP 65
Conn.Insulation class	C-VDE 0110
Connector specification	Din 43650 – ISO 4400
Voltages	230-150-24 V / 50-60 HZ AC 24 V DC
Power Absorption	17 VA AC / 17 W DC

How to order

AE 18 25 B 0 000

Autel

1: Integrated pilot
2: Remote pilot

8: single diaphragm

Φ in/out
25:1"

0: Standard
1: short step

Connection type:
R: coupling
B: screw
I: integrated

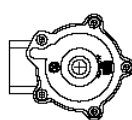
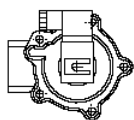
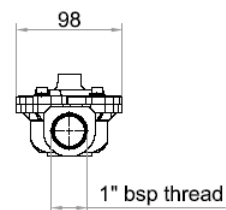
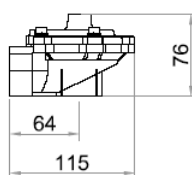
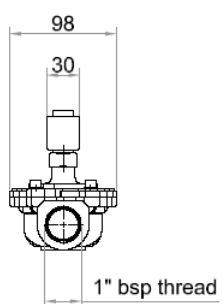
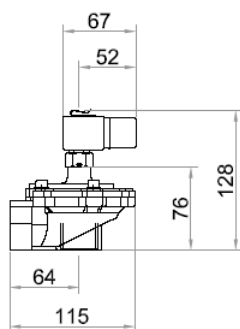
Coil Voltage
020: DC24V
025: AC24V/50Hz,
AC26V/60Hz
115: AC 150V/50H60Hz
225: AC 230V/50Hz60Hz

Models

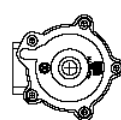
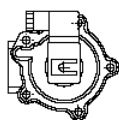
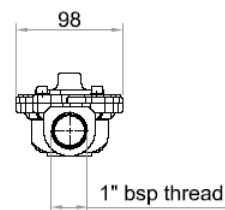
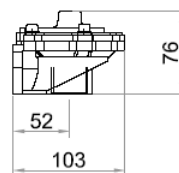
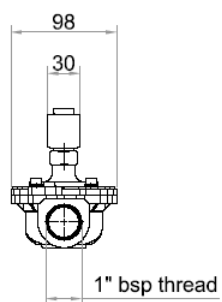
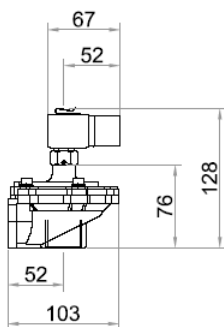
Model	Φ in/out	Control	Rapid Conn.	Diaphragm N°	Weight (KG)	Blow tube
AE1825B0000	1"	Integrated	No	1	0,83	—
AE1825B1000	1"	Integrated	No	1	0,85	—
AE1825R0000	1"	Integrated	No	1	1,00	—
AE1825ITS	1"	Integrated	No	1	1,51	Plain Short
AE1825ITL	1"	Integrated	No	1	1,59	Plain Long
AE1825ITSF	1"	Integrated	No	1	1,46	Threaded Short
AE1825ITLF	1"	Integrated	No	1	1,52	Threaded Long
AE2825B0000	1"	Remote	Available	1	0,63	—
AE2825B1000	1"	Remote	Available	1	0,65	—
AE2825R0000	1"	Remote	Available	1	0,80	—
AE2825ITS	1"	Remote	Available	1	1,31	Plain Short
AE2825ITL	1"	Remote	Available	1	1,39	Plain Long
AE2825ITSF	1"	Remote	Available	1	1,26	Threaded Short
AE2825ITLF	1"	Remote	Available	1	1,32	Threaded Long



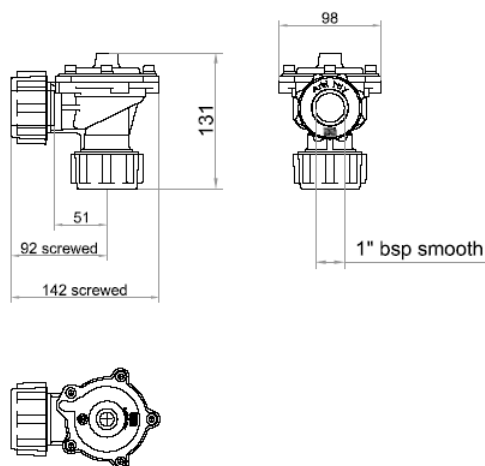
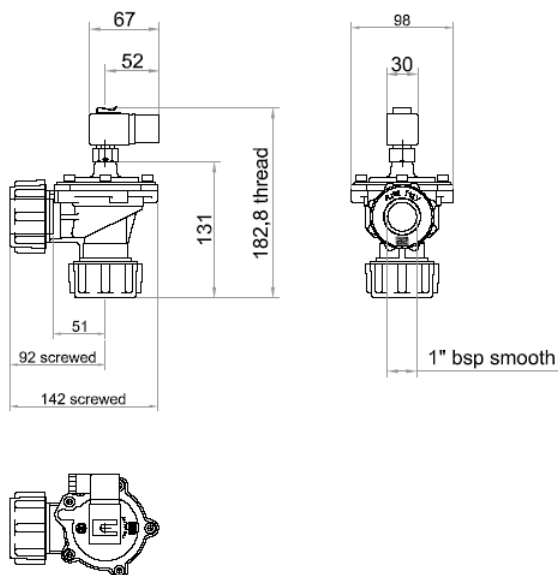
AE1825BXXXxxx, AE2825BXXXxxx



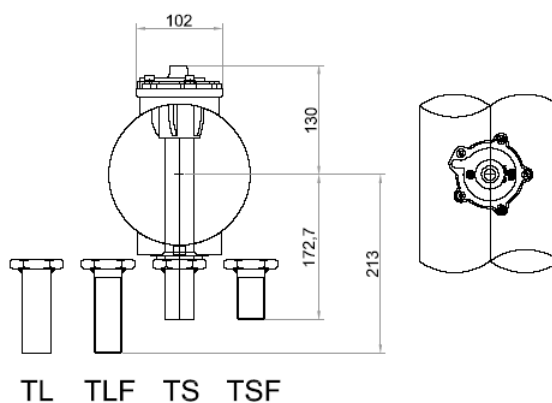
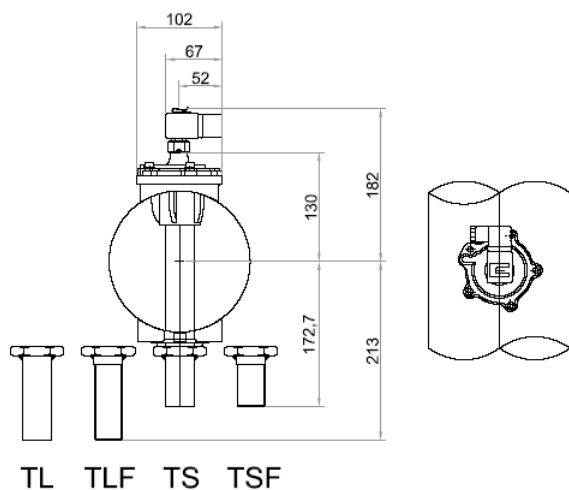
AE1825B1XXXxxx, AE2825B1XXxxx



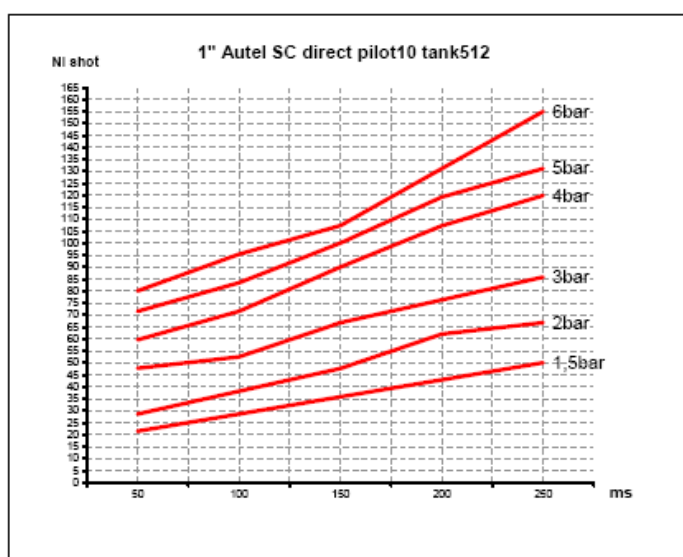
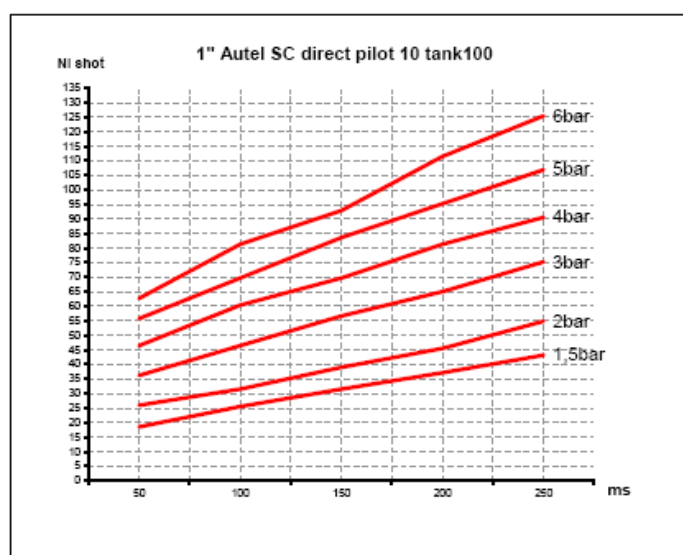
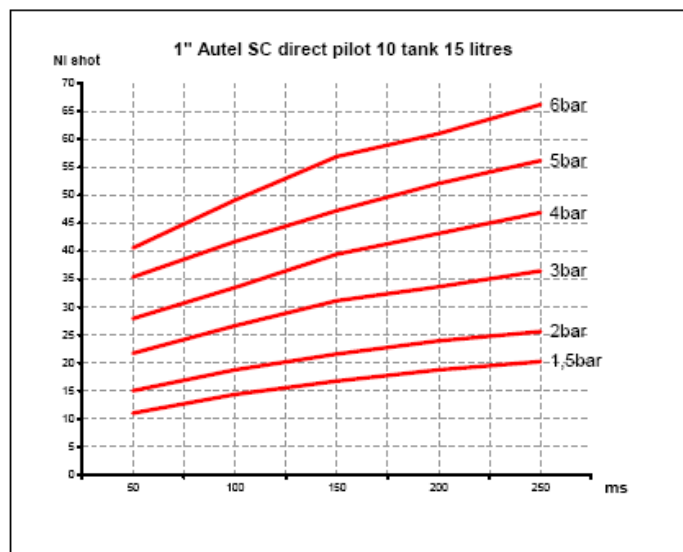
AE1825RXXXxxx, AE2825RXXXxxx



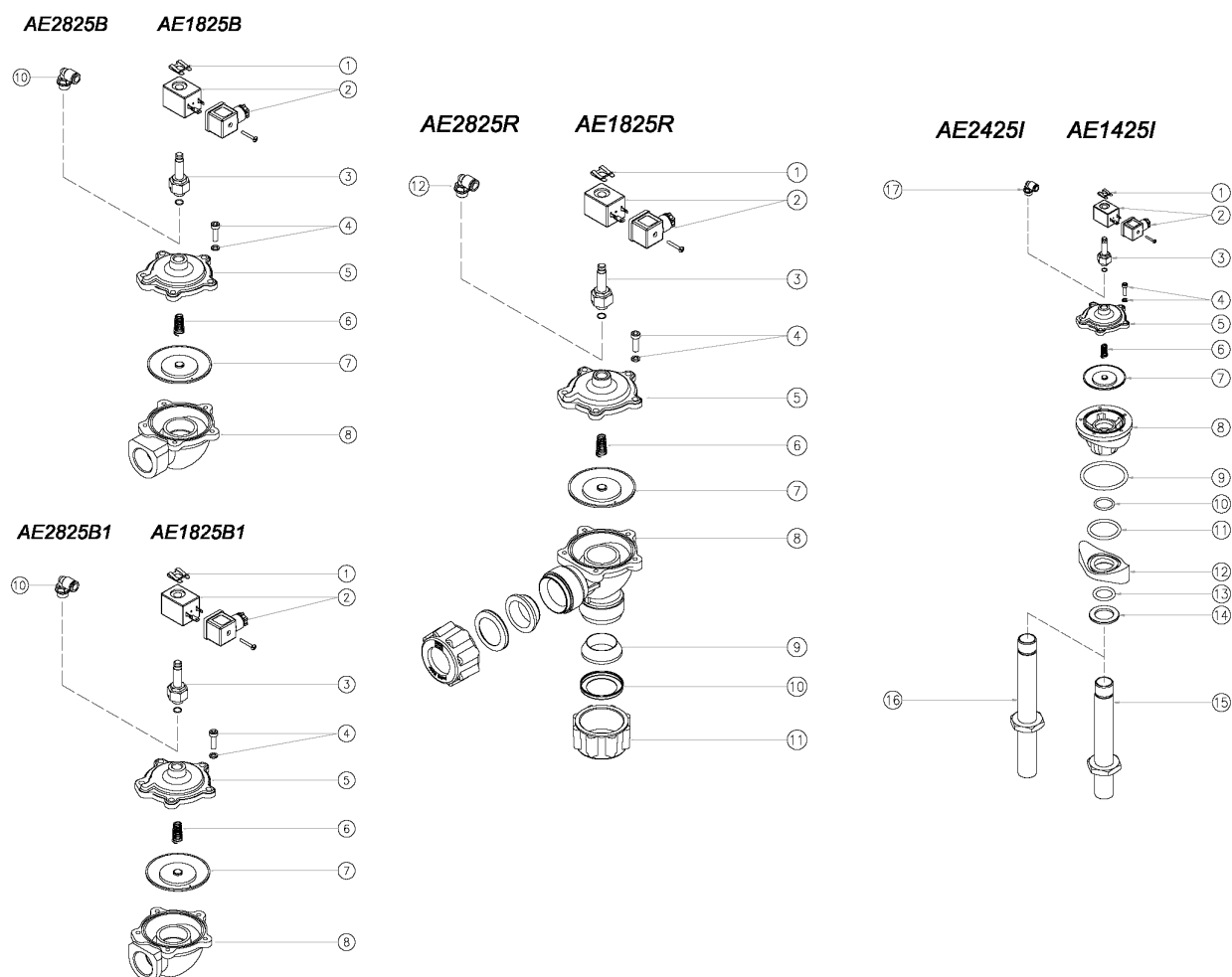
AE1825IXXxxx, AE2825IXXxxx



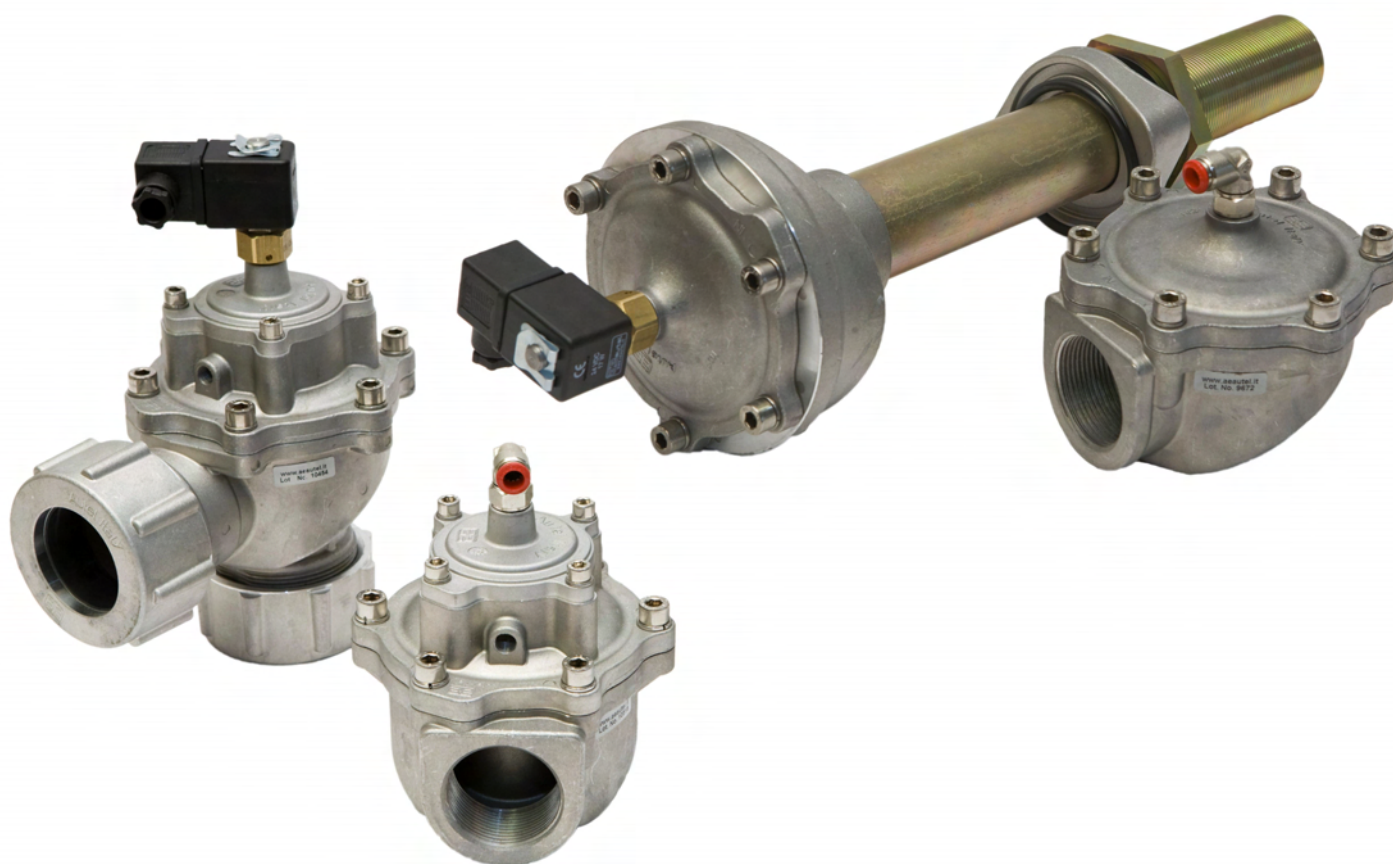
Air Consumption



Spare parts



ITEM	Pilot group	Coil	Pilot	Kit Diaphragm	Cover
AE1825B0xxx	SYS 10 (1,2,3)	BC10 (2)	P10 (3)	MD25KIT (6,7)	C25 (5)
AE1825B1xxx	SYS 10 (1,2,3)	BC10 (2)	P10 (3)	MD25KIT (6,7)	C25 (5)
AE2825B0xxx	SYS 10 (1,2,3)	BC10 (2)	P10 (3)	MD25KIT (6,7)	C25 (5)
AE2825B1xxx	SYS 10 (1,2,3)	BC10 (2)	P10 (3)	MD25KIT (6,7)	C25 (5)
AE1825Rxxx	SYS 10 (1,2,3)	BC10 (2)	P10 (3)	MD25KIT (6,7)	C25 (5)
AE2825Rxxx	SYS 10 (1,2,3)	BC10 (2)	P10 (3)	MD25KIT (6,7)	C25 (5)
AE1825Ixxx	SYS 10 (1,2,3)	BC10 (2)	P10 (3)	MD25KIT (6,7)	C25 (5)
AE2825Ixxx	SYS 10 (1,2,3)	BC10 (2)	P10 (3)	MD25KIT (6,7)	C25 (5)



Technical specification

General specification

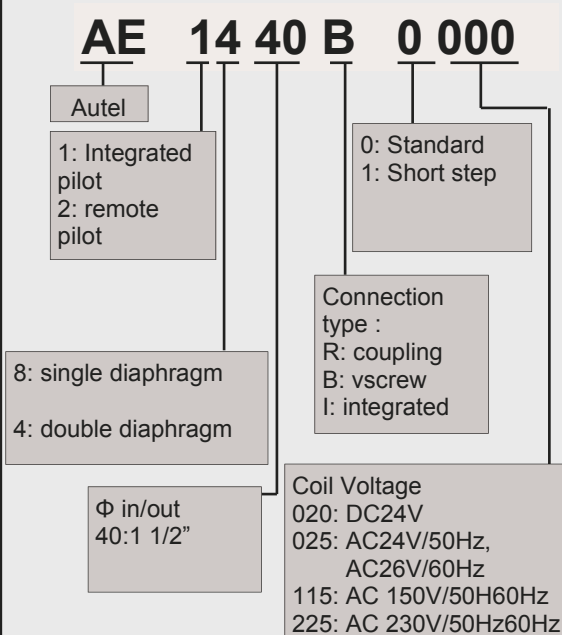
Static operation	Normally closed
Working temperature*	-40°C + 100 °C continuously
Working temperature*	-40°C + 120 °C per 1 min.
Max Pressure	8 Bar
Connection	Screw Type Gas step
Material	Die Cast, Sandblast aluminium
Pilot	Stainless steel
Fluid	Filtered Air, not lubricated

* With temperatures lower than 0°C make sure that the fluid is completely void of humidity using appropriate dryers

Electric Specification

Connector	Pg9 IP 65
Conn. Insulation class	C-VDE 0110
Connector specification	Din 43650 – ISO 4400
Voltages	230-150-24 V / 50-60 HZ AC 24 V DC
Power Absorption	17 VA AC / 17 W DC

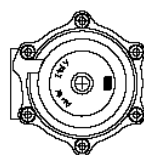
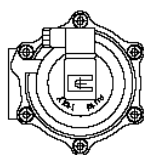
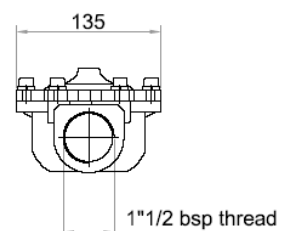
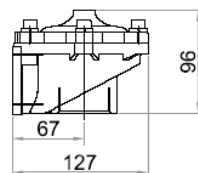
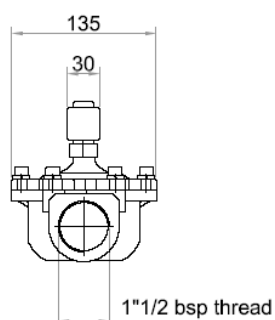
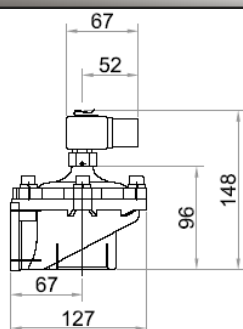
How to order



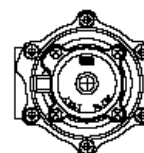
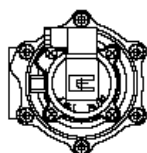
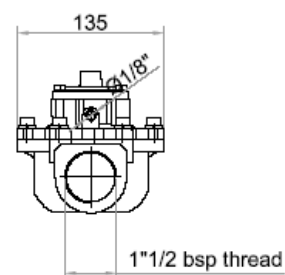
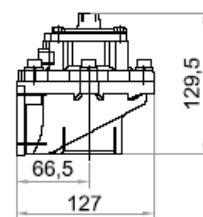
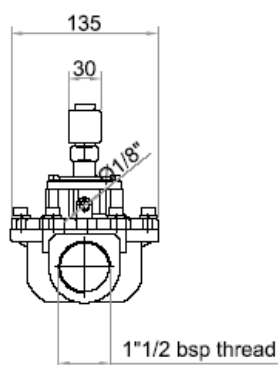
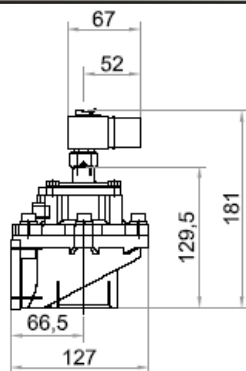
Models

<i>Modell</i>	<i>Φ in/out</i>	<i>Control</i>	<i>Rapid Conn.</i>	<i>Diaphragm N°</i>	<i>Weight (KG)</i>	<i>Blow tube</i>
AE1840B0000	1½"	Integrated	No	1	1,16	
AE1440B0000	1½"	Integrated	No	2	1,60	
AE1840R0000	1½"	Integrated	No	1	1,80	
AE1440R0000	1½"	Integrated	No	2	2,24	
AE1840ITS	1½"	Integrated	No	1	2,84	
AE1840ITL	1½"	Integrated	No	1	3,08	Plain Short
AE1840ITSF	1½"	Integrated	No	1	2,80	Plain Long
AE1840ITLF	1½"	Integrated	No	1	2,19	Threaded Short
AE1440ITS	1½"	Integrated	No	2	3,05	Threaded Long
AE1440ITL	1½"	Integrated	No	2	3,27	Plain Short
AE1440ITSF	1½"	Integrated	No	2	3,01	Plain Long
AE1440ITLF	1½"	Integrated	No	2	3,18	Threaded Short
AE2840B0000	1½"	Remote	Available	1	0,96	Threaded Long
AE2440B0000	1½"	Remote	Available	2	1,40	
AE2840R0000	1½"	Remote	Available	1	1,60	
AE2440R0000	1½"	Remote	Available	2	2,04	
AE2840ITS	1½"	Remote	Available	1	2,64	Plain Short
AE2840ITL	1½"	Remote	Available	1	2,88	Plain Long
AE2840ITSF	1½"	Remote	Available	1	2,60	Threaded Short
AE2840ITLF	1½"	Remote	Available	1	1,99	Threaded Long
AE2440ITS	1½"	Remote	Available	2	2,85	Plain Short
AE2440ITL	1½"	Remote	Available	2	3,07	Plain Long
AE2440ITSF	1½"	Remote	Available	2	2,81	Threaded Short
AE2440ITLF	1½"	Remote	Available	2	2,98	Threaded Long

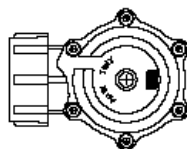
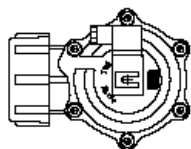
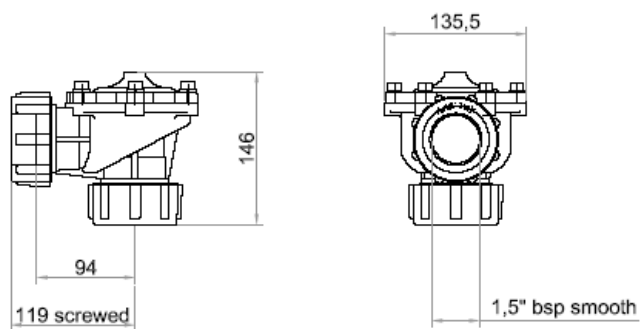
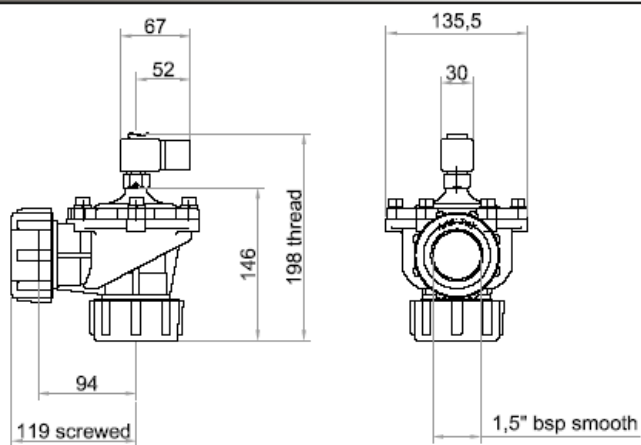
AE1840Bxxx, AE2840Bxxx



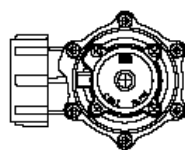
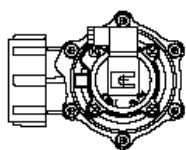
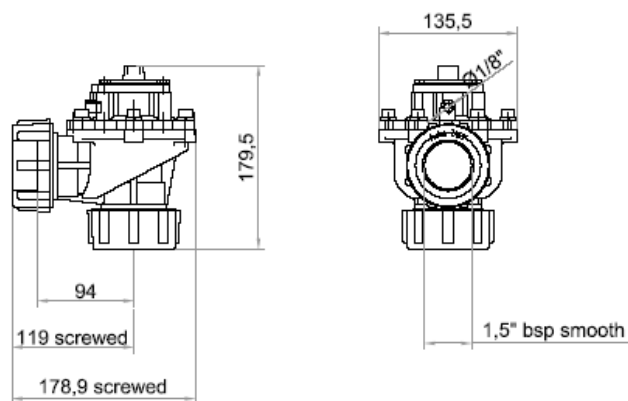
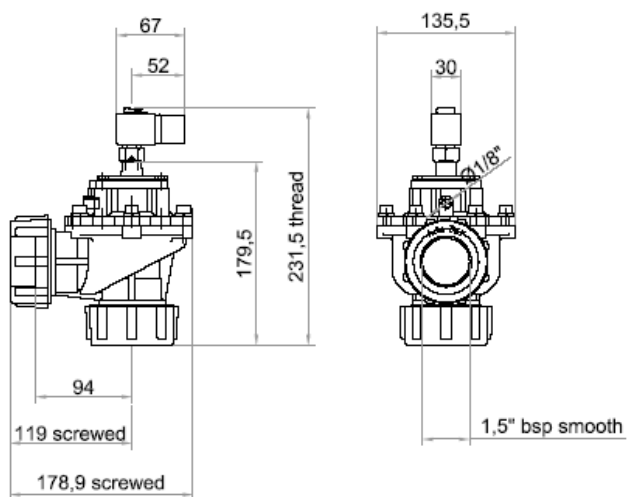
AE1440Bxxx, AE2440Bxxx



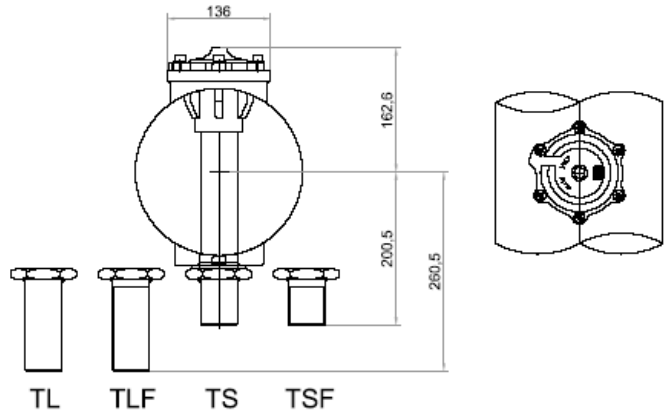
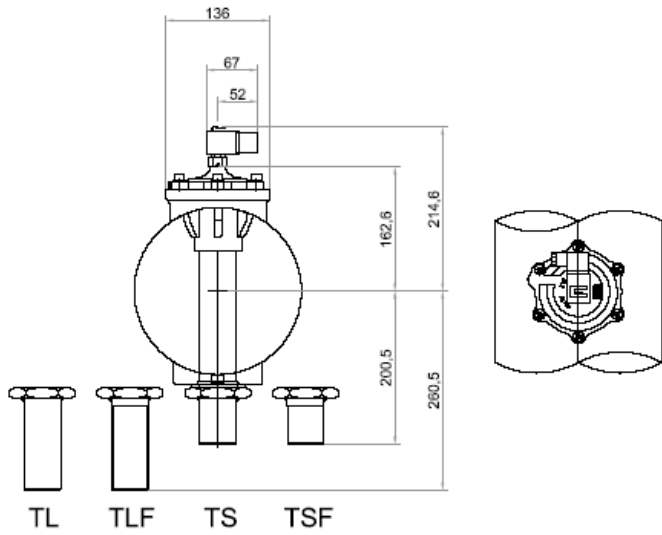
AE1840Rxxx, AE2840Rxxx



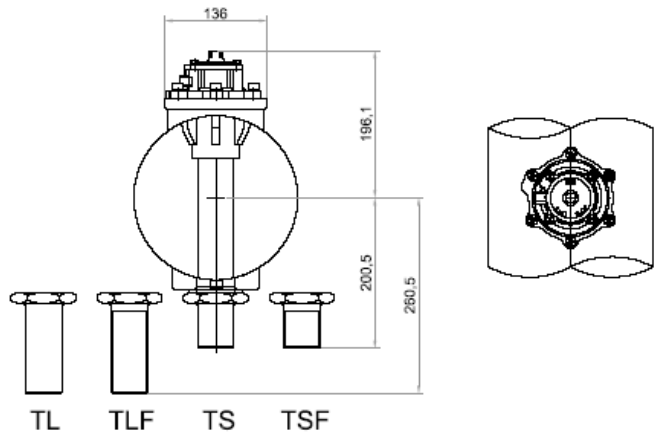
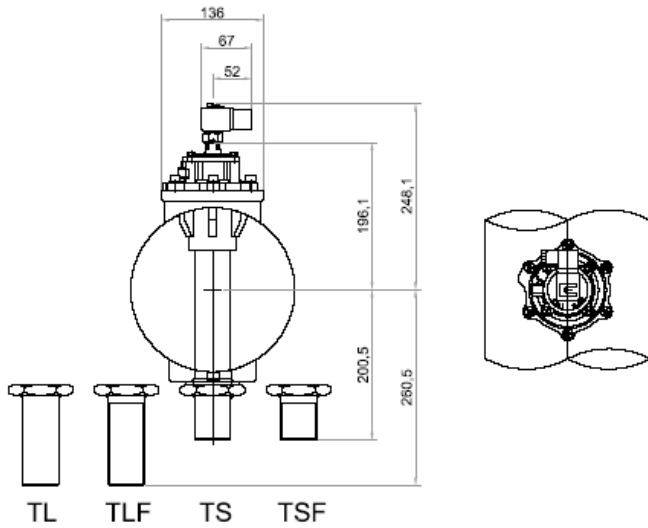
AE1440Rxxx, AE2440Rxxx



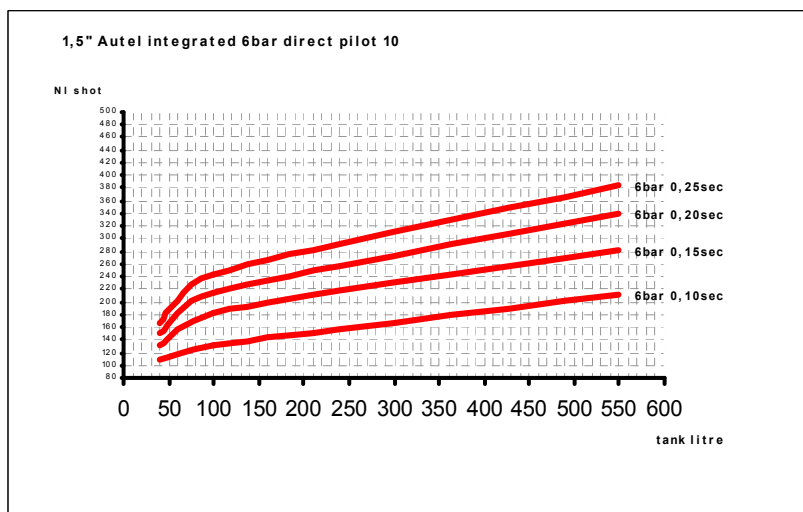
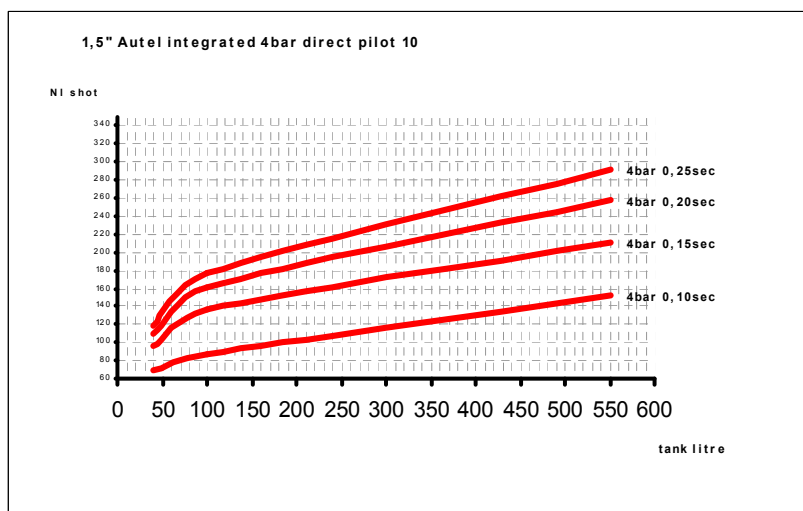
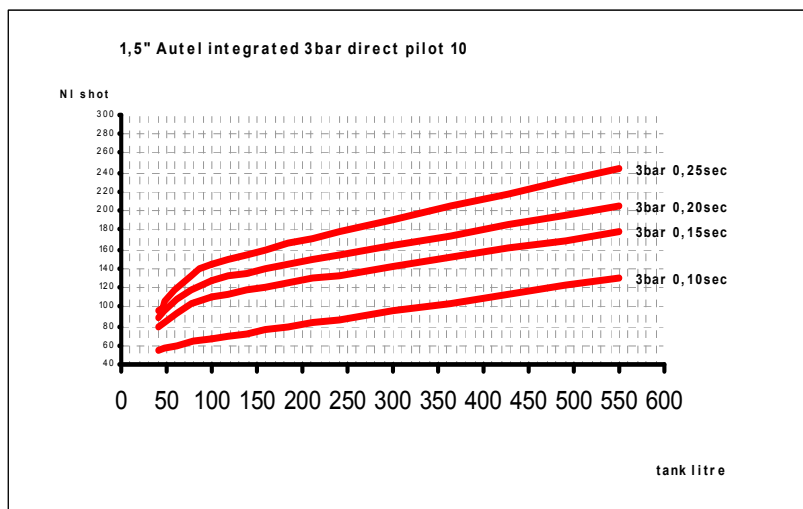
AE1840IXXxxx, AE2840IXXxxx



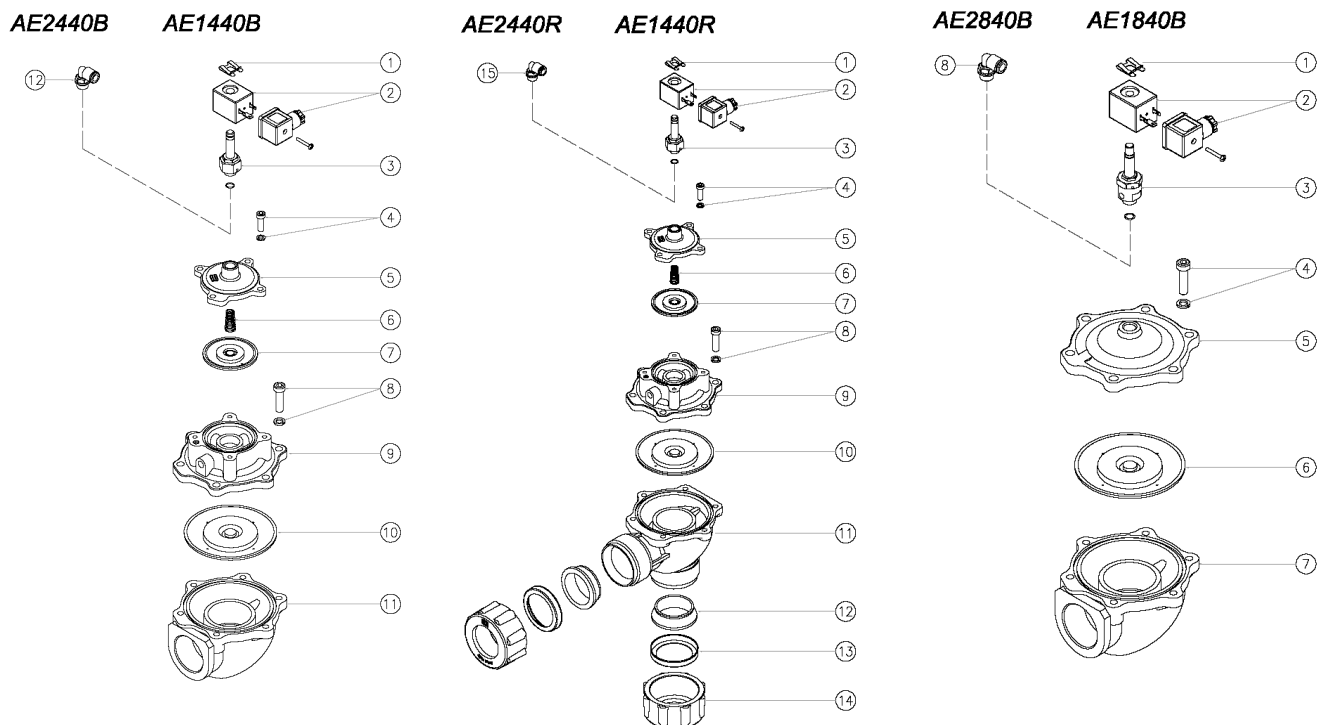
AE1440IXXxxx, AE2440IXXxxx



Air Consumption



Spare parts

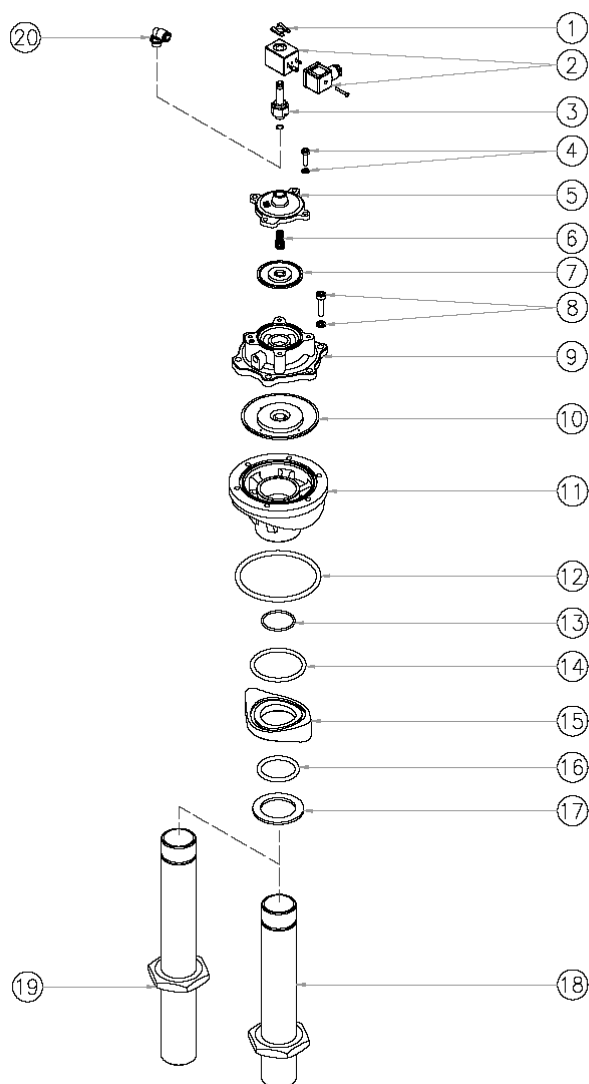


ITEM	Pilot group	Coil	Pilot	Kit Diaphragm	Cover
AE1840Bxxx	SYS 8 (1,2,3)	BC8 (2)	P8 (3)	MD40KIT (6)	C40 (5)
AE1440Bxxx	SYS 10 (1,2,3)	BC10 (2)	P10 (3)	MD45KIT (6,7,10)	C45 (5,6)
AE2840Bxxx	SYS 8 (1,2,3)	BC8 (2)	P8 (3)	MD40KIT (6)	C40 (5)
AE2440Bxxx	SYS 10 (1,2,3)	BC10 (2)	P10 (3)	MD45KIT (6,7,10)	C45 (5,6)
AE1840Rxxx	SYS 8 (1,2,3)	BC8 (2)	P8 (3)	MD40KIT (6)	C40 (5)
AE1440Rxxx	SYS 10 (1,2,3)	BC10 (2)	P10 (3)	MD45KIT (6,7,10)	C45 (5,6)
AE2840Rxxx	SYS 8 (1,2,3)	BC8 (2)	P8 (3)	MD40KIT (6)	C40 (5)
AE2440Rxxx	SYS 10 (1,2,3)	BC10 (2)	P10 (3)	MD45KIT (6,7,10)	C45 (5,6)

Pezzi di ricambio

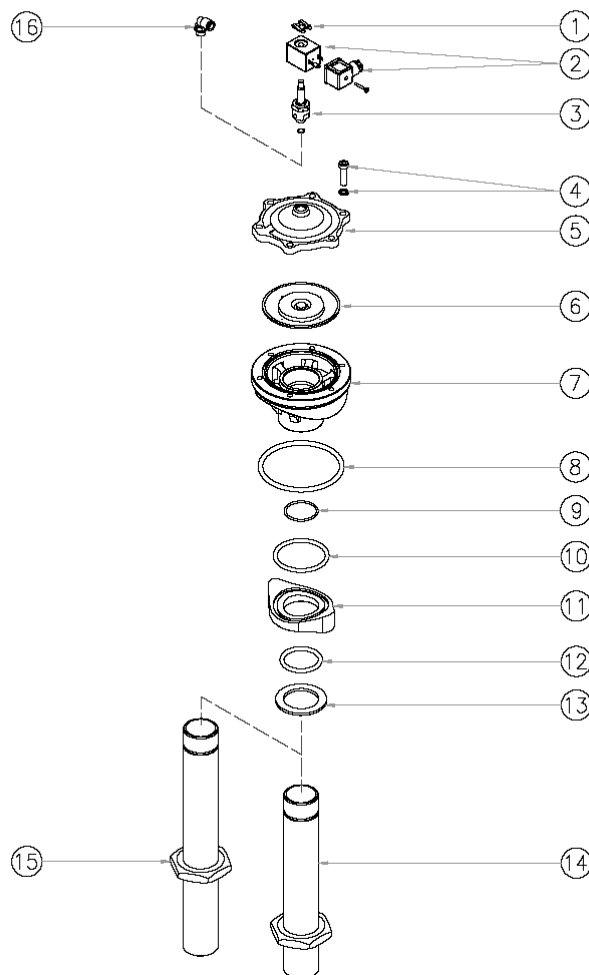
AE2440I

AE2840I

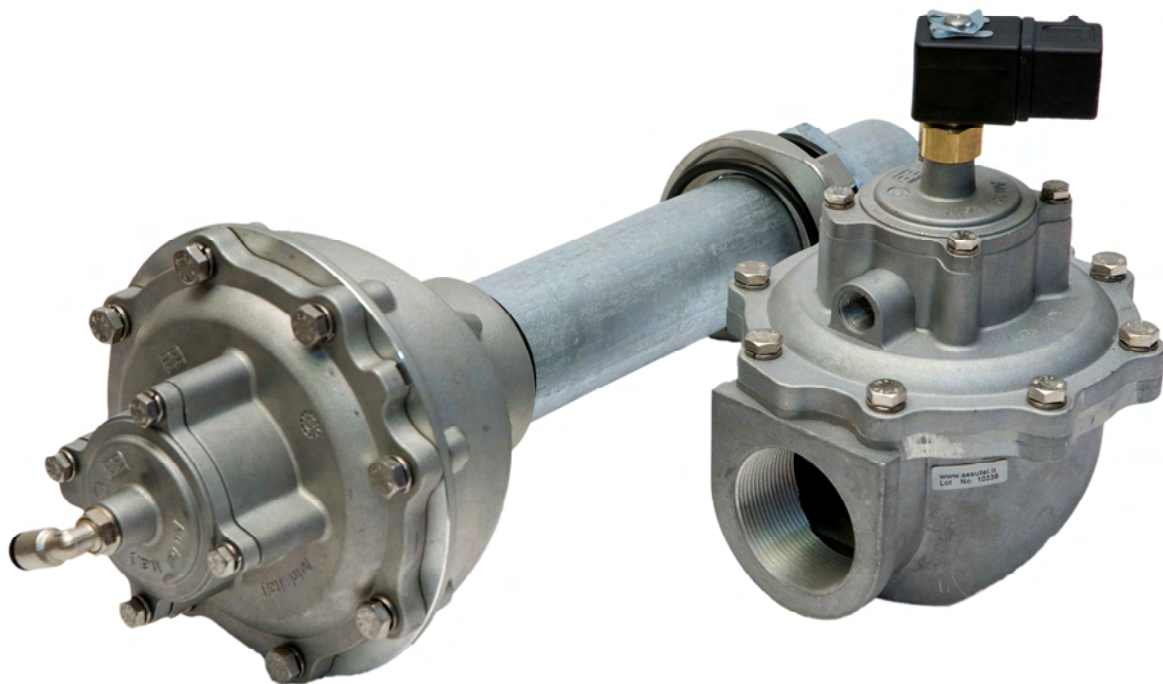


AE2840I

AE1840I



ITEM	Gruppo pilota	Bobina	Pilota	Kit Membrana	Cover
AE1840Ixxx	SYS 8 (1,2,3)	BC8 (2)	P8 (3)	MD40KIT (6)	C40 (5)
AE1440Ixxx	SYS 10 (1,2,3)	BC10 (2)	P10 (3)	MD45KIT (6,7,10)	C45 (5,9)
AE2840Ixxx	SYS 8 (1,2,3)	BC8 (2)	P8 (3)	MD40KIT (6)	C40 (5)
AE2440Ixxx	SYS 10 (1,2,3)	BC10 (2)	P10 (3)	MD45KIT (6,7,10)	C45 (5,9)



Technical specification

General Specification

Static operation	Normally closed
Working temperature*	-40°C+100°C continuously
Working temperature*	+100°C +120°C per 1 min.
Max pressure	8 Bar
Connection	Screw Type Gas step
Material	Die Cast, Sandblast aluminium
Pilot	Stainless steel
Fluid	Filtered Air, not lubricated

* With temperatures lower than 0°C make sure that the fluid is completely void of humidity using appropriate dryers

Electric specification

Connector	Pg9 IP 65
Conn. Insulation class	C-VDE 0110
Connector specification	Din 43650 – ISO 4400
Voltages	230-150-24 V / 50-60 HZ AC 24 V DC
Power Absorption	17 VA AC / 17 W DC

How to order

AE 14 50 B 0 000

Autel

1: integrated pilot
2: remote pilot

4: double diaphragm

Φ in/out
50: 2"

0: Standard
1: Short step

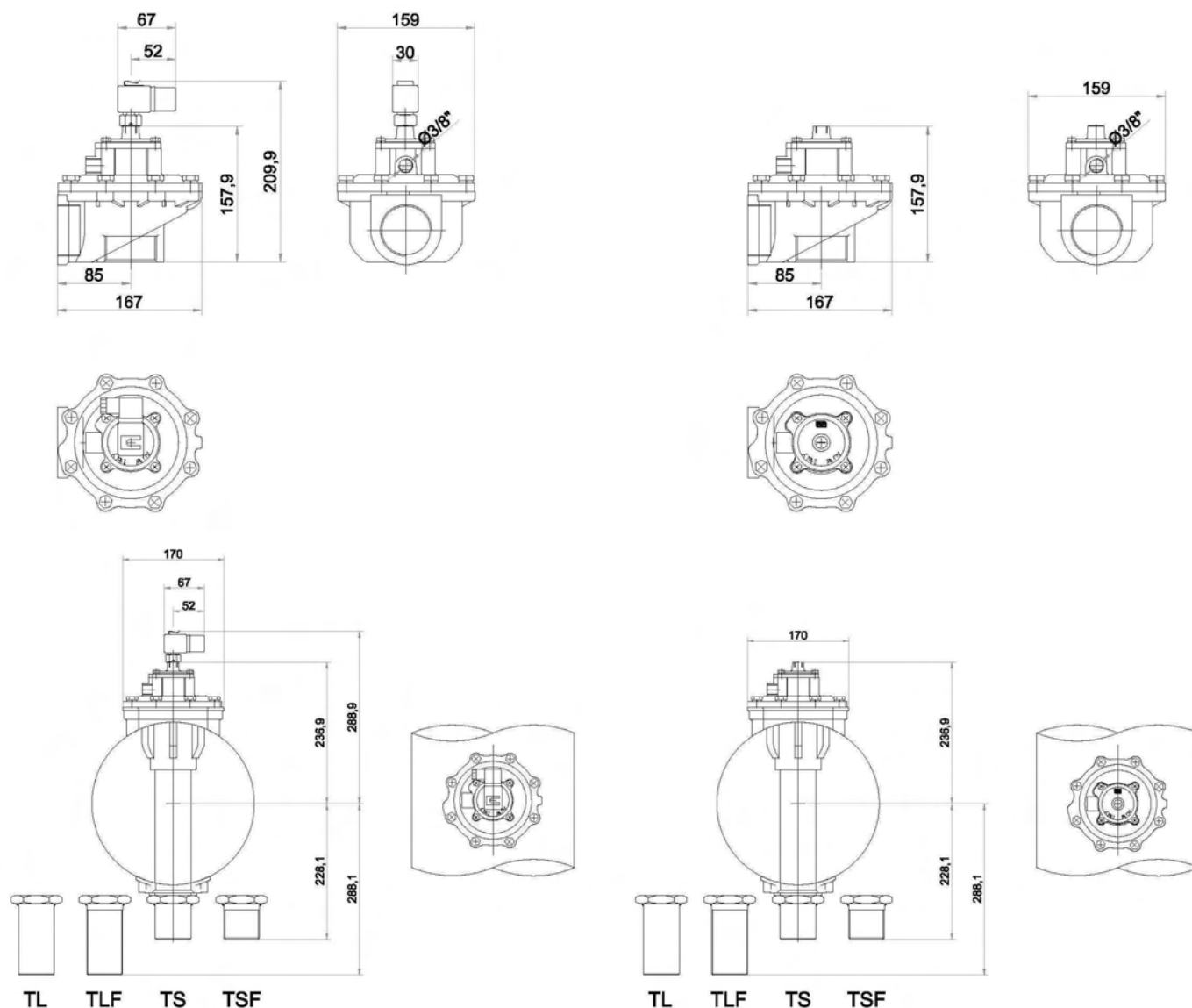
Connection type :
B: screw
I: integrated

Coil Voltage
020: DC24V
025: AC24V/50Hz,
AC26V/60Hz
115: AC 150V/50Hz60Hz
225: AC 230V/50Hz60Hz

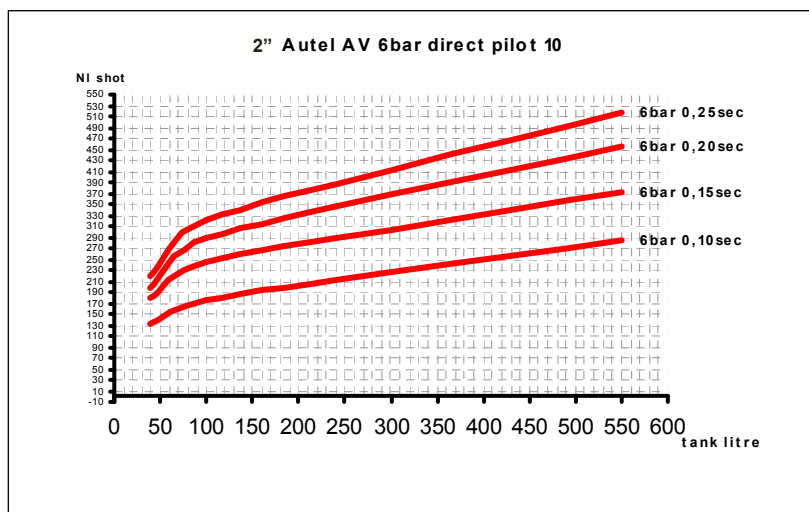
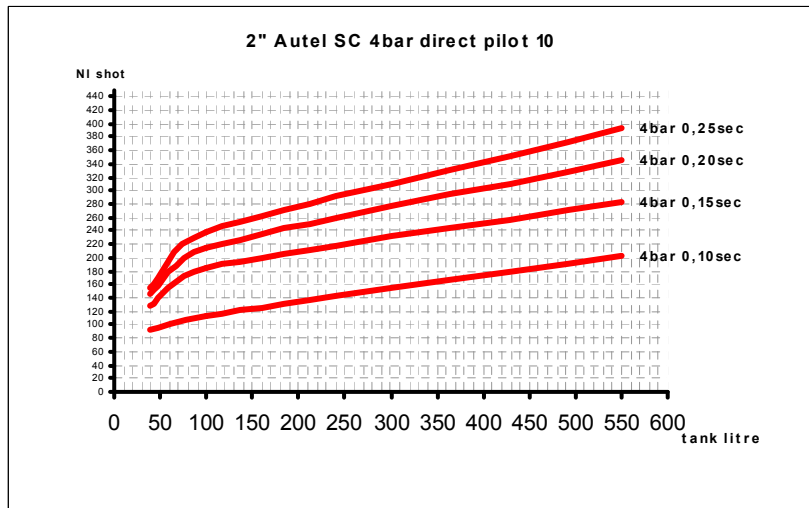
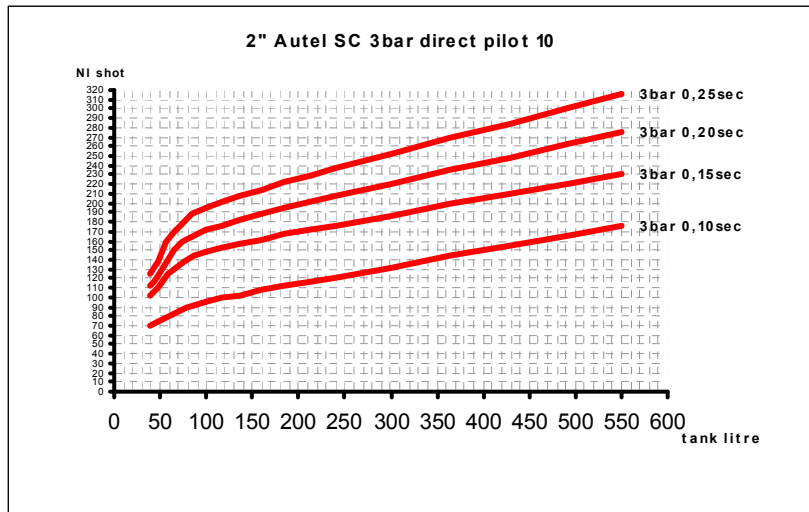
Models

Model	Φ in/out	Control	Rapid Conn.	Diaphragm N°	Weight (KG)	Blow tube
AE1450B0000	2"	Integrated	No	2	2,30	-
AE1450ITS	2"	Integrated	No	2	4,68	Plain Short
AE1450ITL	2"	Integrated	No	2	5,02	Plain Long
AE1450ITSF	2"	Integrated	No	2	4,62	Threaded Short
AE1450ITLF	2"	Integrated	No	2	4,90	Threaded Long
AE2450B0000	2"	Remote	Available	2	2,10	-
AE2450ITS	2"	Remote	Available	2	4,48	Plain Short
AE2450ITL	2"	Remote	Available	2	4,82	Plain Long
AE2450ITSF	2"	Remote	Available	2	4,42	Threaded Short
AE2450ITLF	2"	Remote	Available	2	4,70	Threaded Long

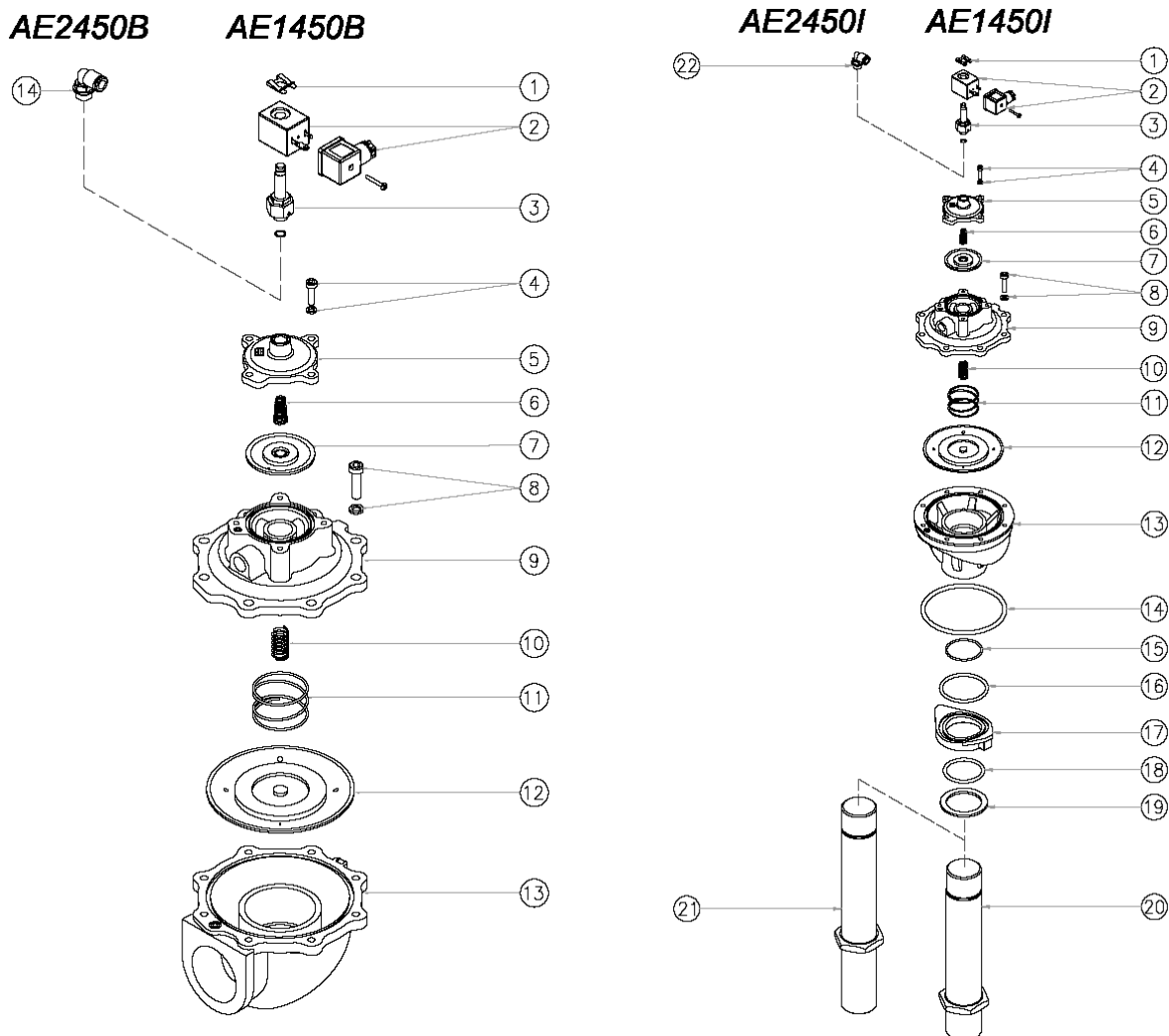
AE1450BXXXxxx, AE2450BXXxxx, AE1450IXXxxx, AE2450IXXxxx



Air consumption



Spare parts



ITEM	Pilot group	Coil	Pilot	Kit Diaphragm	Cover
AE1450B0xxx	SYS 10 (1,2,3)	BC10 (2)	P10 (3)	MD50KIT (6,7,10,11,12)	C50 (9)
AE2450B0xxx	SYS 10 (1,2,3)	BC10 (2)	P10 (3)	MD50KIT (6,7,10,11,12)	C50 (9)
AE1450I0xxx	SYS 10 (1,2,3)	BC10 (2)	P10 (3)	MD50KIT (6,7,10,11,12)	C50 (5,9)
AE2450I0xxx	SYS 10 (1,2,3)	BC10 (2)	P10 (3)	MD50KIT (6,7,10,11,12)	C50 (5,9)



Technical specification

General specification

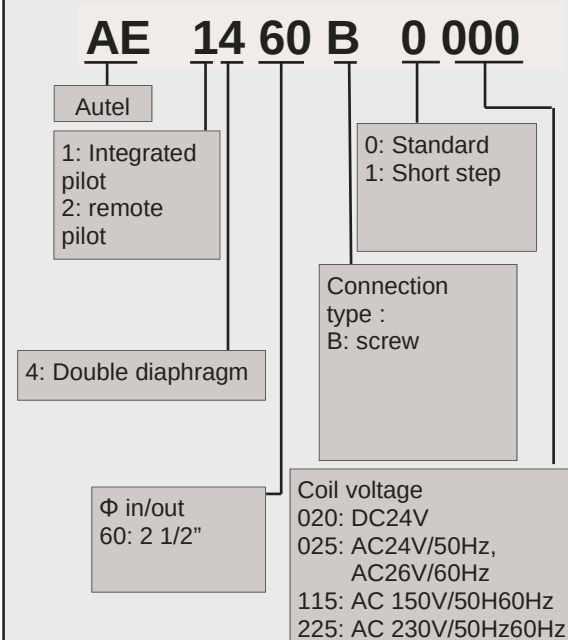
Static operation	Normally closed
Working temperature*	-40°C +100°C continuously
Working temperature*	+100°C +120°C per 1 min
Max pressure	8 Bar
Connection	Screw Type Gas step
Material	Die Cast, Sandblast aluminium
Pilot	Stainless steel
Fluid	Filtered Air, not lubricated

* With temperatures lower than 0°C make sure that the fluid is completely void of humidity using appropriate dryers

Electric Specification

Connector	Pg9 IP 65
Conn. Insulation class	C-VDE 0110
Connector specification	Din 43650 – ISO 4400
Voltages	230-150-24 V / 50-60 HZ AC 24 V DC
Power Absorption	17 VA AC / 17 W DC

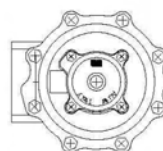
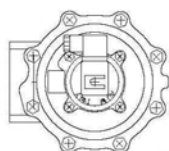
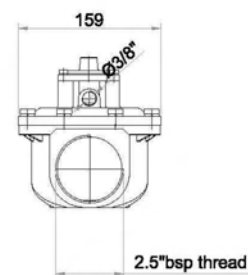
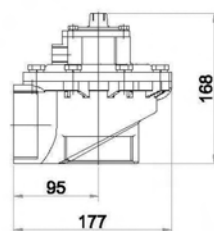
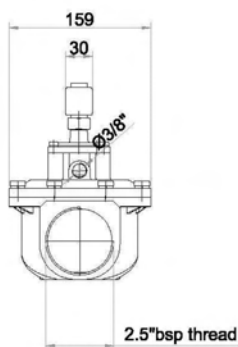
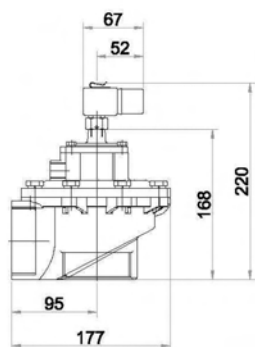
How to order



Models

Model	Φ in/out	Control	Rapid Conn.	Diaphragm N°	Weight (KG)	Blow tube
AE 14 60 P 000	2 ½ "	Integrated	No	3,28	2	
AE 24 60 P 000	2 ½ "	Remote	No	3,08	2	
AE 14 60 B 000	2 ½ "	Integrated	No	3,28	2	
AE 24 60 B 000	2 ½ "	Remote	No	3,08	2	

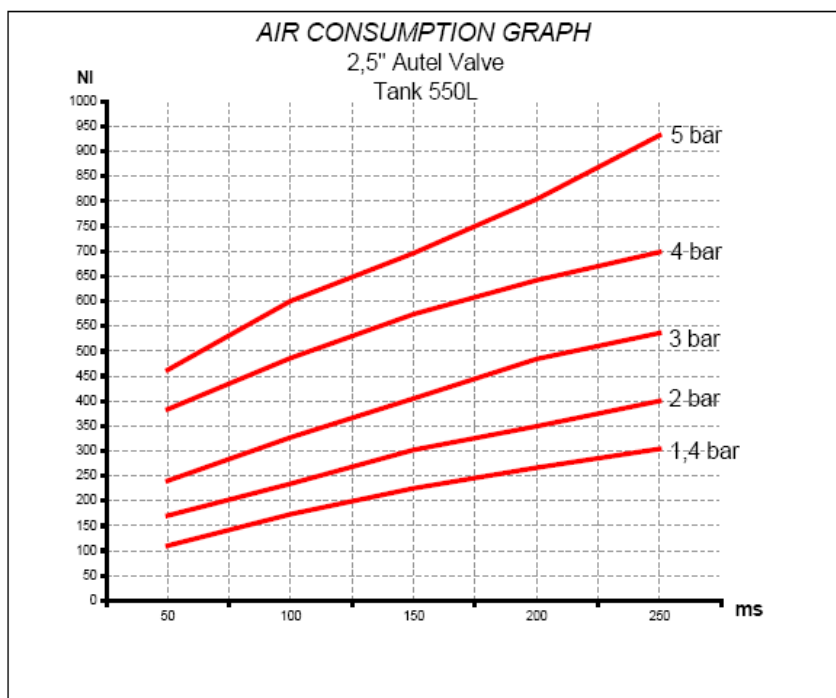
AE1460BXXXxxx, AE2460BXXXxxx



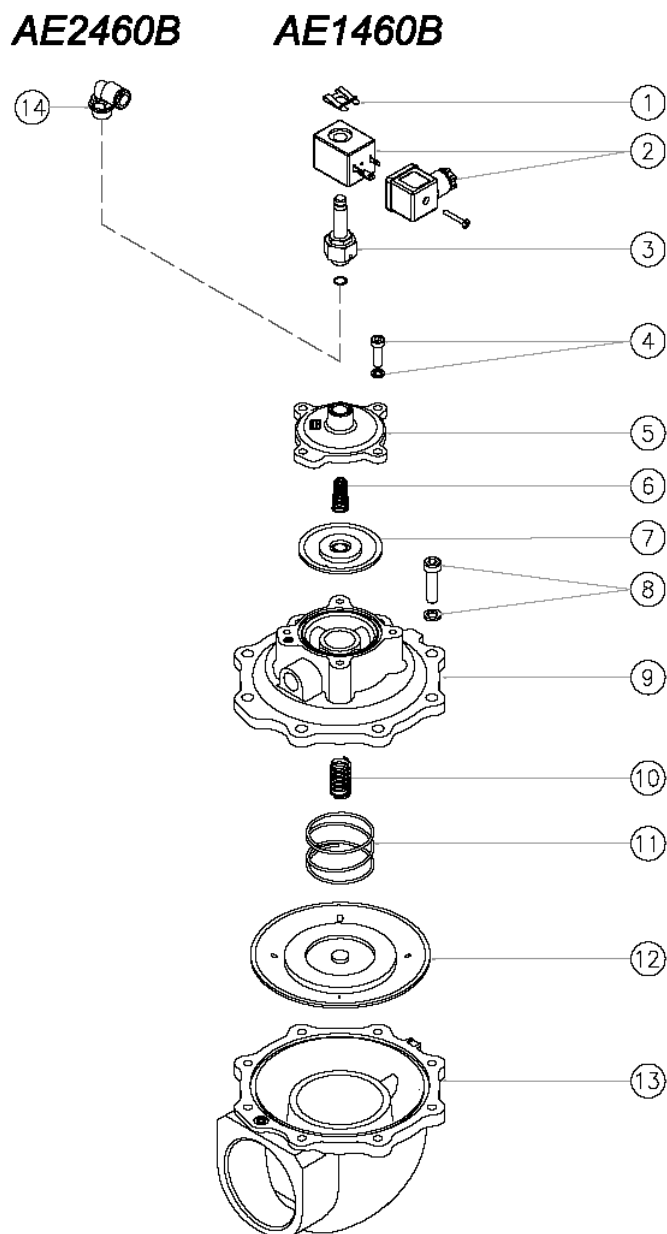
Dimension

Modelli	ØA	ØB mm	ØC mm	ØD mm	ØE mm	H mm	M mm	L mm	E mm	ØF mm	n°	A1 mm	B1 mm
AE 14 60 B 000	2 ½ "	107	155,4	223	245	22	58	211	48,5	10,75	6	162	78
AE 24 60 B 000	2 ½ "	107	155,4	223	245	22	58	159	48,5	10,75	6	162	78

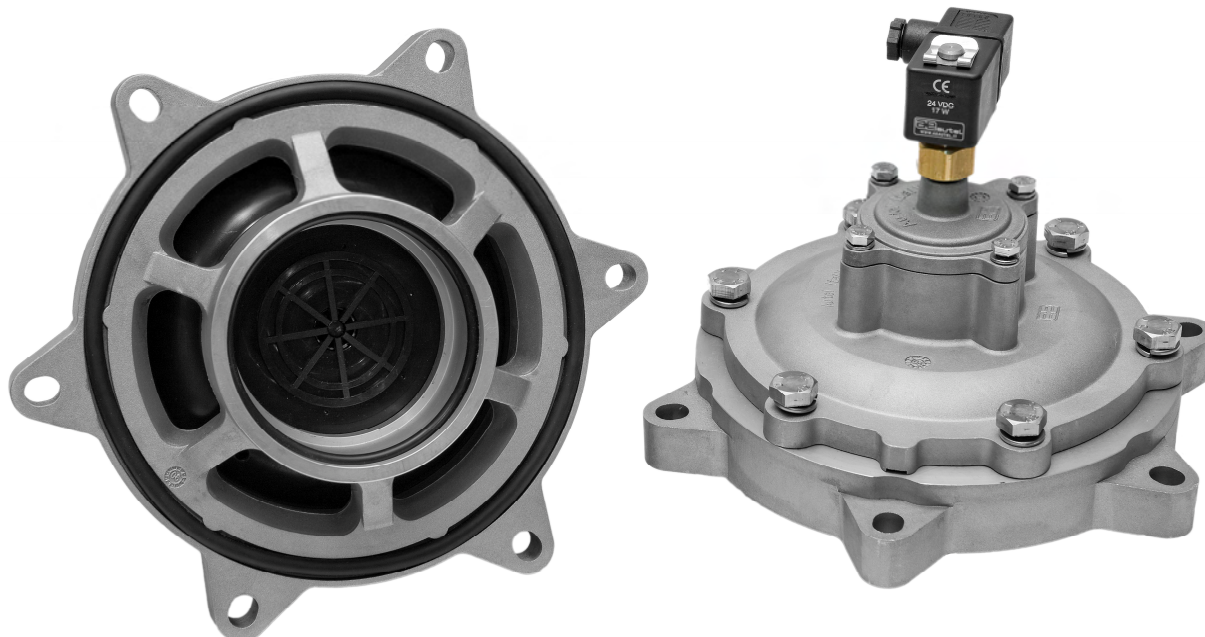
Air consumption



Spare parts



ITEM	Pilot group	Coil	Pilot	Kit Diaphragm	Cover
AE1460Bxxx	SYS 10 (1,2,3)	BC10 (2)	P10 (3)	MD60KIT (6,7,10,11,12)	C60 (5,9)
AE2460Bxxx	SYS 10 (1,2,3)	BC10 (2)	P10 (3)	MD60KIT (6,7,10,11,12)	C60 (5,9)



Technical information

General information

Static operation	Normally closed
Working temperature*	-40°C+100°C continuously
Working temperature*	+100°C +120°C per 1 min
Max Pressure	8 Bar
Connection	Screw Type Gas step
Material	Die Cast, Sandblast aluminium
Pilot	Stainless steel
Fluid	Filtered Air, not lubricated

* With temperatures lower than 0°C make sure that the fluid is completely void of humidity using appropriate dryers

How to order

AE 14 75 G 000

Autel

1: integrated pilot
2: remote pilot

4: double diaphragm

Φ in/out
75: 3"

Connection type:

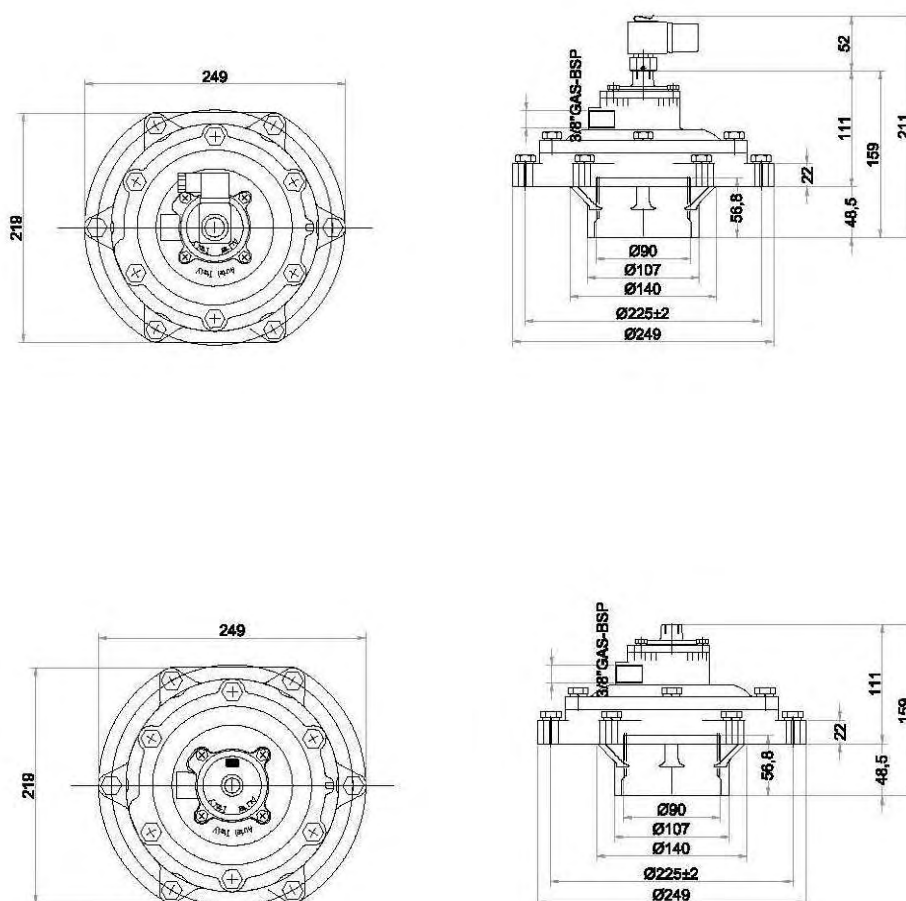
P: Flat
G: Plain flat

Coil voltages
020: DC24V
025: AC24V/50Hz,
AC26V/60Hz
115: AC 150V/50H 60Hz
225: AC 230V/50Hz 60Hz

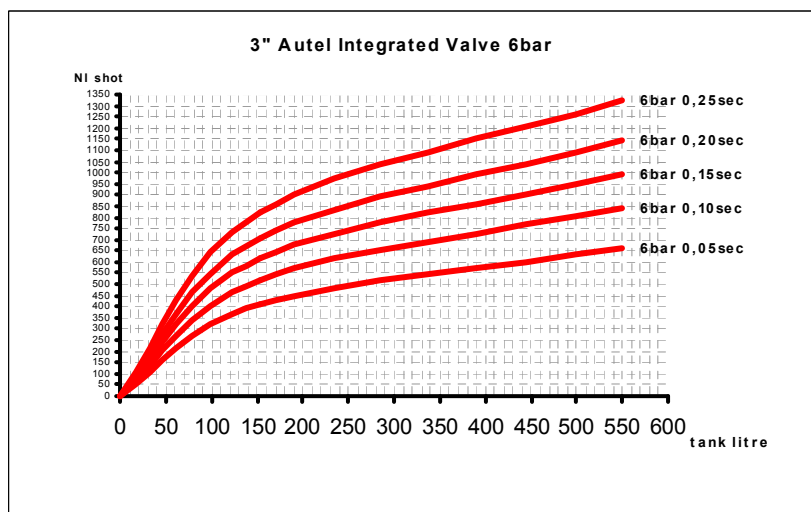
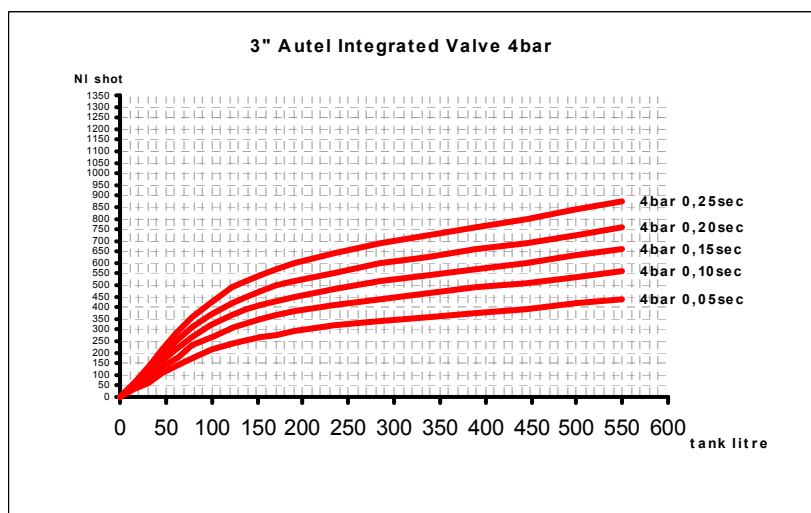
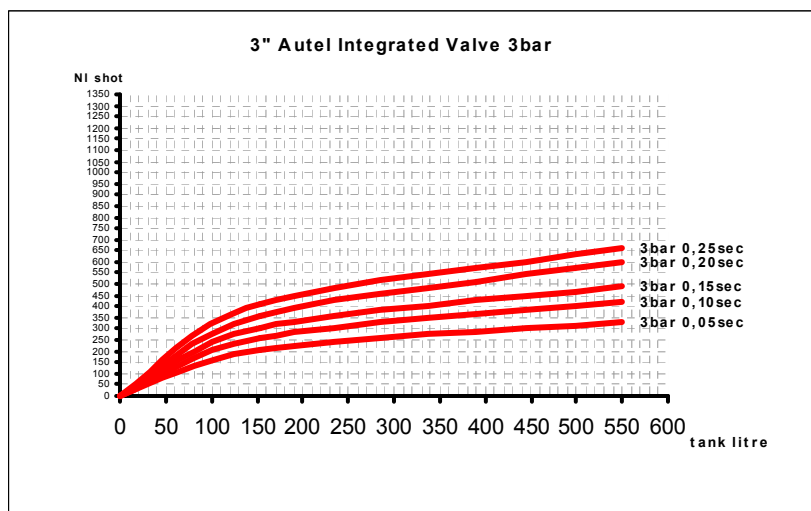
Models

Model	Φ in/out	Control	Rapid Conn.	Weight(Kg)	Diaphragm N°
AE 14 75 P 000	3"	Integrated	No	3,11	2
AE 14 75 G 000	3"	Integrated	No	3,20	2
AE 24 75 P 000	3"	Remote	No	2,91	2
AE 24 75 G 000	3"	Remote	No	3,00	2

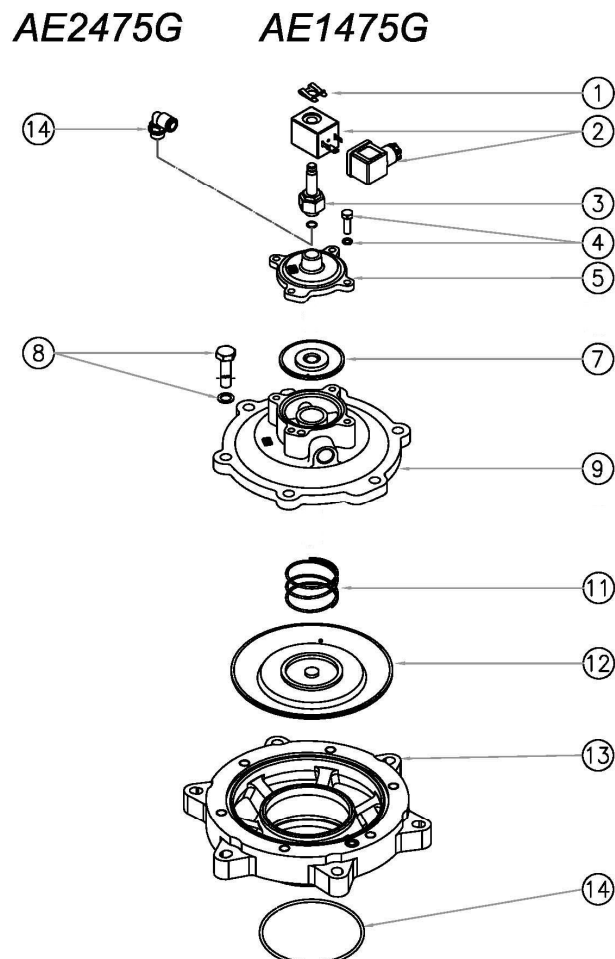
AE1475GXXXxxx, AE2475GXXXxxx



Air consumption



Spare parts



ITEM	Pilot group	Coil	Pilot	Kit Diaphragm	Cover
AE1475Gxxx	SYS 10 (1,2,3)	BC10 (2)	P10 (3)	MD75KIT (7,11,12)	C75 (5,9)
AE2475Gxxx	SYS 10 (1,2,3)	BC10 (2)	P10 (3)	MD75KIT (7,11,12)	C75 (5,9)

**General Description**

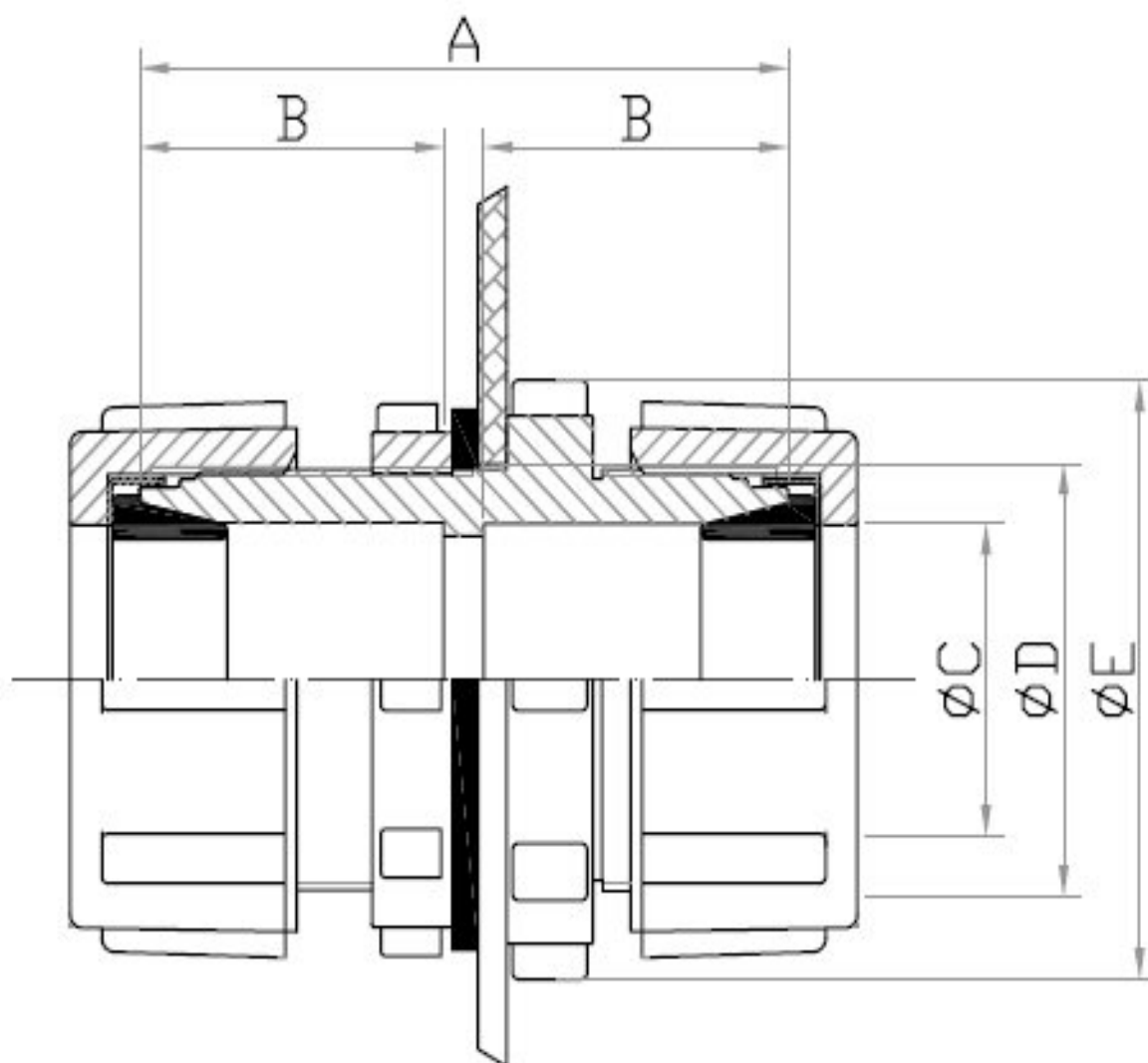
These fittings are used to connect in a simple and sure way the valve tube with the blow tube. The connection is realized through the valve wall. Its use ensures high energy and materials savings, avoiding the welding costs. Bulkhead connectors are built in diecast aluminium and they are completed with NBR gaskets, able to be used up to 100°C.

For temperatures up to 200°C or aggressive media, are also available VITON gaskets.

The bulkhead connector is available in 3 sizes, which correspond to the size of the internal holes: 1", 1½", 2".

Models

<i>Model</i>	<i>Φ in/out</i>	<i>Max Temperature</i>	<i>Weight (Kg)</i>	<i>Material</i>	<i>Gasket Material</i>
PM 25	1"	100 °C	0,65	Aluminium	NBR
PM 40	1½"	100 °C	1	Aluminium	NBR
PM 50	2"	100 °C	1,1	Aluminium	NBR
PM 25 V	1"	200 °C	0,65	Aluminium	VITON
PM 40 V	1½ "	200 °C	1	Aluminium	VITON
PM 50 V	2"	200 °C	1,1	Aluminium	VITON

Dimensions and Lay-out

<i>Model</i>	<i>A mm</i>	<i>B mm</i>	<i>C mm</i>	<i>øD mm (Mounting Hole)</i>	<i>øE mm</i>
PM 25	94	44	35,5	54	77
PM 40	113	53	50,5	70	97
PM 50	112,5	53	62	82	98
PM 25 V	94	44	35,5	54	77
PM 40 V	113	53	50,5	70	97
PM 50 V	112,5	53	62	82	98



General description

The **SPV (Simple Pilot Valves)** is the new generation of pilots box painted aluminium usable for controlling pneumatic valves. The box can be provided from a minimum of 4 to a maximum of 12 pilots.

Optionally it can be provided with a heating system, making it possible the use even with ambient temperature till -40°C .

It is usually combined with an economizer *Ecomatic*: electrical impulses coming from the instrument command in sequence coils placed in the box and activate the pneumatic pilot. Each pilot is connected via Rilsan tube to the upper chamber of the valve of the tank and at each pulse commands the pneumatic valve.

This box are provided of M20 cable gland for the input power supply and of two M16 cable glands for output command.

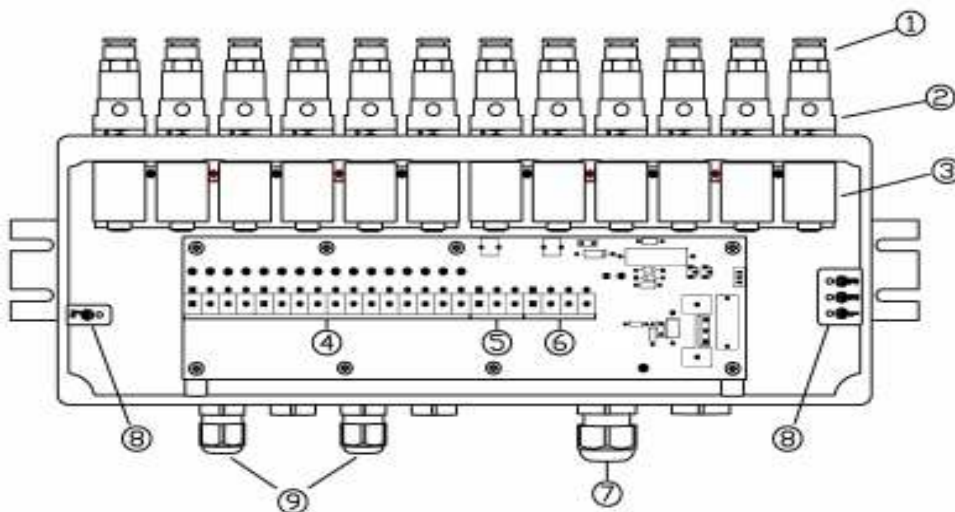
It's possible to demand a greater number of cable glands or special cable glands, according to customer according to customer specification.

The modularity and versatility combined **ECOMATIC—SIMPLE PILOT VALVES** is the perfect solution for any type of filtration plant.

Technical specifications

Coil Voltage	24 Vdc, 24 Vac/50Hz, 115Vac/50Hz, 230 Vac/50Hz
Electric connections	Through screw terminal blocks. Use cable section. 1.5 mm^2 . Max length of the connection: 100 mt
Pneumatic connections	Rilsan 6x 8 tube. Max legh of the connection: 5 mt.
Fluid	Air dried, filtered and oilless
Pressure	Min / Max 1.5÷18 bar
Working temperature	- 10°C / 80°C
Protection	IP 66, EN60529
Box material	Cast aluminium, painted RAL 7001
Dimensions and weights	387 x 134 x 72 mm - 4.0 Kg
<u>FOR VERSION WITH HEATERS ONLY</u>	
Thermostat / Heater power supply	230 Vac/* 50Hz or 115 Vac / 50Hz (on demand)
Heater protection fuses	16A Ultrafast
Working temperature	- 40°C / $+80^{\circ}\text{C}$
Dimension and weights	387 x 134 x 72 mm - 5.1 Kg

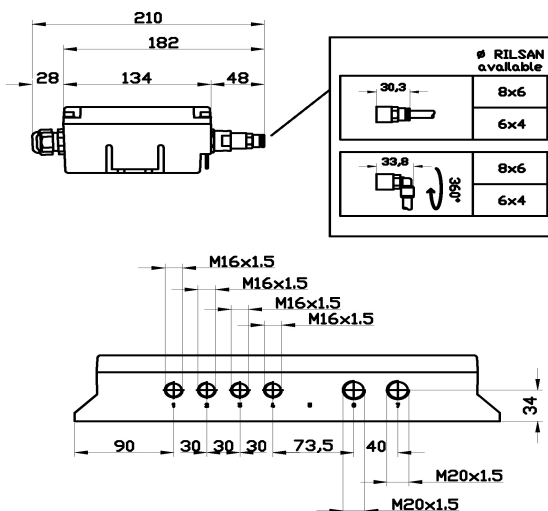
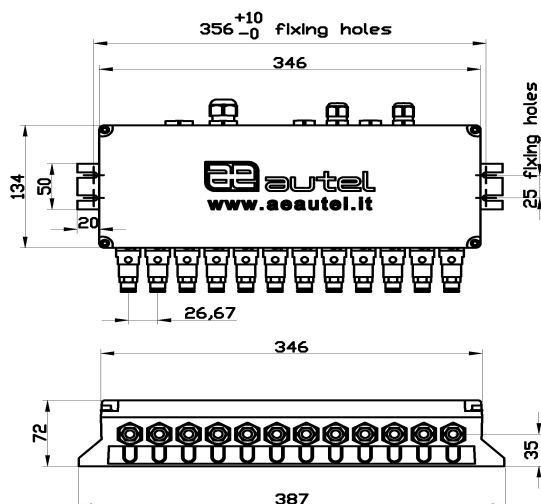
Lay-out



Legend

- 1- Connection for Rislan tube 6x8 mm straight (90° on demand)
- 2 - Pilot for pneumatic valve
- 3 - Coils for pilots command
- 4 - Terminal board coil command
- 5 - Terminal board for power supply
- 6 - Terminal board for heating system
- 7- MD20 cable gland for Heating system
- 8 - Heart connection
- 9 - M16 cable gland for coil command

Dimension



Dimensions in mm

Pneumatic Connection

