MaxClean

Hygienic Flow Equipment

Single Seat Valves | Sampling Valves | Strainers

Semiconductor

Bio-Pharm

Hygienic

EGMO

NEUMO Ehrenberg Group

MaxClean

The MaxClean product line is designed to meet customer demands for enhanced hygienic components for processing food, cosmetics and many other clean industries.

Innovation

EGMO's innovative products are industry leaders, drawing on EGMO's vast experience in sanitary applications and solutions.
EGMO's engineering team continuously improves production technologies and processes as well as product performance in order to meet customer requirements.

Reliability

EGMO's advanced polishing, welding and cleaning processes ensure that the MaxClean line of products perform with utmost reliability. Our high-quality products are constructed with raw materials from leading suppliers, designed by experienced engineers, and produced by professional operators and workers.

Maximum Cleanability

EGMO valves are optimally designed for CIP applications, with minimal dead spaces. Parts in contact with the flow are electro-polished for corrosion resistance and reduced risk of bacterial growth.

Product Range

EGMO provides a wide range of sanitary flow products that meet the following standards: 3A, DIN, BS/RJT, ISO, SMS, IDF and DS. Our product line includes a wide variety of valves, actuators, customized components and filters.

About EGMO

EGMO, a member of the NEUMO Ehrenberg Group, is a worldwide leader in the manufacturing of high purity, stainless steel products for the semiconductor, biopharmaceutical and food industries. Founded in 1965, EGMO's customers benefit from decades of experience in innovative development and production of an extensive range of tubes, fittings, valves, vessels and other special components. EGMO is ISO 9001:2008, CE, ASME & CRN certified and its products also meet the following standards: TUV, 3A, DIN, ISO, CE, SMS, BS (RJT)

NEUMO Ehrenberg Group

The NEUMO Ehrenberg Group, a diversified multi-national organization headquartered in Germany, was founded by Senator Henry Ehrenberg in 1947. The know-how, experience, and impressive track record of its companies, NEUMO, VNE and EGMO, have been earned over four decades. Today, the group is a leading manufacturer of worldwide stainless-steel process fittings and components. The Group's worldwide distribution network supports major multinational accounts.

| www.egmo.co.il |

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PVE

Patent Pending

MaxClean single seat valve for sanitary applications (pneumatic / manually operated)

PVE Valves are available in three operating modules: Air Activated; Air Actuated with an electronic control head; and manually operated. PVE valves popular applications are the following: Shut-off Valve, Divert Valve, Tank Outlet and Pressure Relief Valve. Connections consist of Clamp, Weld, Bevel Seat, and E-Line. EGMO's PVE Valves are made of AISI 316L stainless steel which meet all 3A requirements and are offered in 1˝ through 3˝ sizes. Unique patent pending sealing system.

SHUT-OFF VALVES

DIVERT VALVE

PRESSURE RELIEF VALVES (OVERFLOW VALVES)

TANK BOTTOM VALVE

Key Advantages:

Designed for maximum cleanability:

- ✓ Optimal CIP cleaning due to ball shape and surfaces - no dead spaces
- ✓ AISI 316L stainless-steel body and parts, made from bar for maximum cleanability
- ✓ Steam bar for sterile and aseptic applications
- ✓ Body and parts are electro-polished for corrosion resistance & reduced risk of bacterial growth
- ✓ **Unique Patent Pending** sealing system (standard O-rings)
  - Due to the valve's unique structure, the O-ring seat in the valve ensures minimal exposure of the O-ring to the flow
  - Static O-ring to minimize wear and erosion
- ✓ One-part stem for optimal sterility

Designed to Meet the Needs of the Sanitary Industry

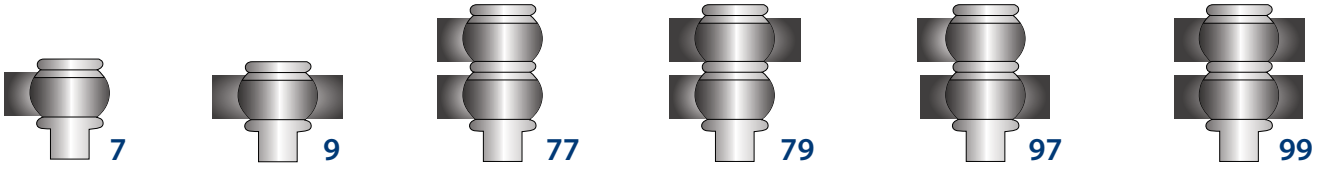
- ✓ Robust ball-shaped bodies
- ✓ Full drainage without dead leak
- ✓ One type of valve body 360° adjustable
- ✓ Suitable for Shut off, Divert and Vessel outlet configurations
- ✓ Available with Clamps or Weld connections
- ✓ AISI 316L stainless steel throughout
- ✓ Meet 3A standard

PVE Actuator

- ✓ Maintenance free
- ✓ Instantly reversible from normally close N/C to normally open N/O or vice versa.
- ✓ Instant assembly of electronic control head
- ✓ Three actuator sizes: - 1" (DN25)
  - 1½" (DN40), 2" (DN50), 2½" (DN65)
  - 2½" (DN65), 3" (DN80)
- ✓ Position indicator stem on top of actuator shows open or closed position
- ✓ AISI 304L Stainless steel
- ✓ Operating air pressure range 5- 8 Bar (72- 108 PSI)
- ✓ Double-action actuating upon request

Accessories

- Micro switches with Solenoid Valve 110 or 24 volt and AS-i bus communication
- Indicator LED for open and closed position
- Tank bottom adapter - for Tank Outlet valves



Optional:

- O-rings: EPDM, Silicon, Viton
- Control head for operation with solenoid valve and micro- or proximity-switch
- Steam barrier for sterile and aseptic applications

How to order

P V E S	4 0	1	9 9	W	E	C H 2 4
Valve Type	Valve size	Actuatuion type	Valve configuration	Connection ends	Seals	Control (optional)

Valve Type	Valve size		Actuation type	Valve configuration	Connection ends	Seals
	DIN	RJT				
PVES - Shut-off Valve **PVED** - Divert Valve **PVEP** - Pressure relief Valve **PVEB** - Bottom tank Valve	25 40 50 65 80	1" 1½" 2" 2½" 3"	**1**- N/C- Spring to close/Air to open **2** - N/O- Spring to open/Air to close **3** - Manually operated	7 9 77 79 97 99	**W** - Weld **C** - 3A camp ferrule	**E** - EPDM **V** - Viton **S** - SILICON

Control (optional)
CH24 - Control Head 24V
C110 - Control Head 110V
CHAS - Control Head AS-i Bus
1IPS - One Inductive Proximity switch
2IPS - Two Inductive Proximity switch
* Proximity Switch Diameter 12mm

** When ordering DIN 65 / 2½" valve, please specify type of flow and flow pressure*

PVE - Shut-off valves

Used for opening or closing the fluids path

- ✓ Spherical shape with zero dead leg
- ✓ Easy to maintain with standard O-Ring and unique quick connection
- ✓ Fast changeover from N/C to N/O mode
- ✓ Clamp connection between the valve parts. Butt weld or clamp ends
- ✓ Minimum gasket exposure
- ✓ Visual bleeding Hole to inspect leaks
- ✓ Hygienic modules

N/C and N/O operations in one actuator

AISI 316L stainless-steel body and parts

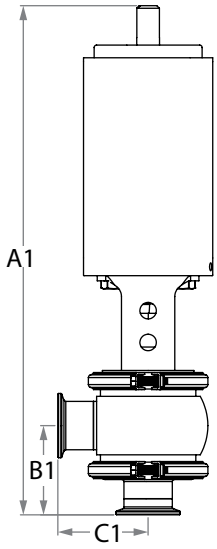
Static O-ring to minimize wear and erosion

Robust ball-shaped bodies made of AISI 316L

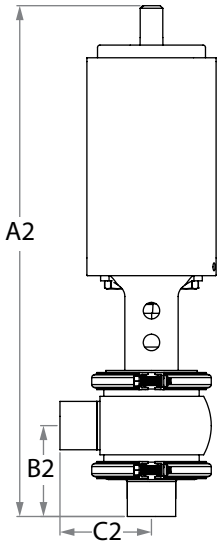
Minimal exposure of the O-ring to the flow

Optimal CIP cleaning due to ball shape and surfaces - no dead spaces

PVE Shut-Off Valve Dimensions



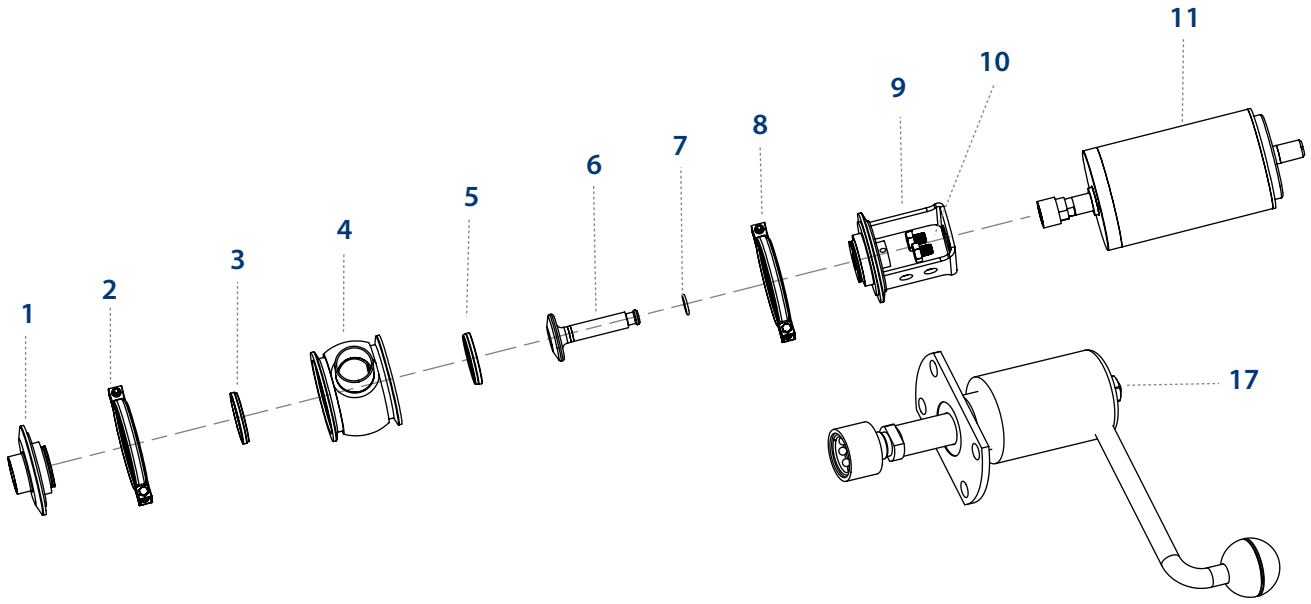
Weld weld



Clamp weld

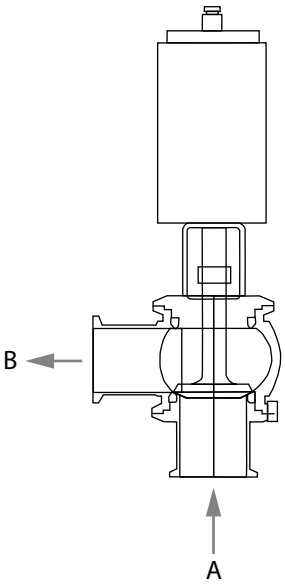
	SIZE	OD	A1	A2	B1	B2	C1	C2
DIN	25	29	327	314	66	53	67	54.5
	40	42	-	392	-	63	-	90
	50	53	-	415	-	71	-	92
	65	70	-	446	-	87	-	125
	80	85	-	482	-	93	-	125
RJT	1"	25.4	310	310	51	51	51	51
	1.5"	38	392	379	70	70	70	70
	2"	51	415	403	89	76	89	89
	2.5"	64	446	433	89	76	89	89
	3"	76	482	470	95	82	95	95

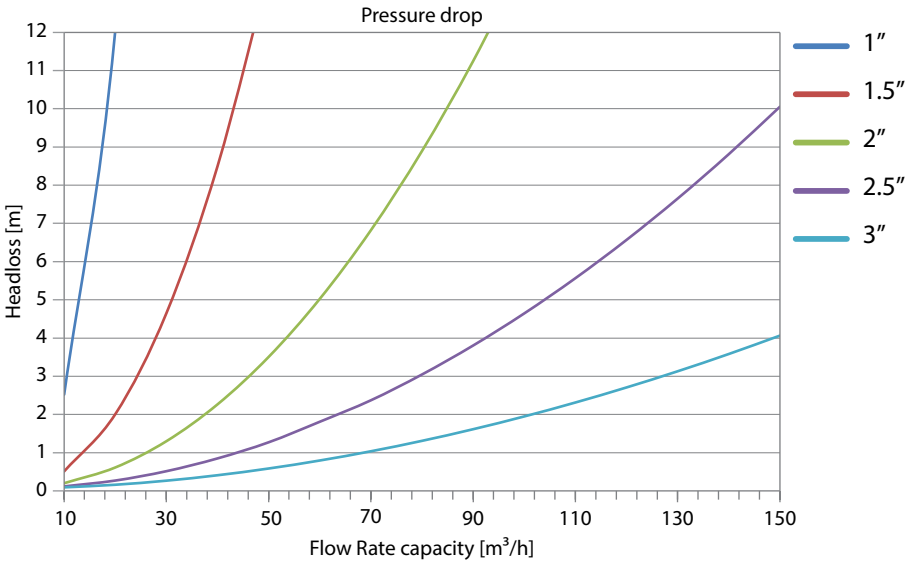
PVE Shut-Off Valve Components & Materials



Item no.	Description	Material
1	Lower connection	AISI 316L
2	Clamp assembly	Stainless Steel
3	Seal ring	EPDM - Viton - Silicone
4	Ball	AISI 316L
5	Seal ring	EPDM - Viton - Silicone
6	Steam	316L
7	Steam seal	EPDM - Viton - Silicone
8	Clamp assembly	Stainless Steel
9	Bonnet	316L
10	Bonnet sensor	St. St
11	Stainless steel actuator	AISI 304L
17	Manual Shut Off - Optional	St. St

PVE - Shut-Off Valve Pressure Drop Vs Flow Rate Capacity Diagram





$$L1 = \frac{F^2}{78 \cdot D^3}$$

L1: Head loss [m]
D: Valve diameter [in]
F: Flow Rate capacity [m³/h]

For initial evaluation only

PVE - Divert valve

Used for opening / closing or changing the fluids path

- ✓ Spherical shape with zero dead leg
- ✓ Easy to maintain with standard O-Ring and unique quick connection
- ✓ Fast changeover from N/C to N/O mode
- ✓ Clamp connection between the valve parts. Butt weld or clamp ends
- ✓ Minimum gasket exposure
- ✓ Visual bleeding Hole to inspect leaks
- ✓ Hygienic modules

AISI 316L stainless-steel body and parts

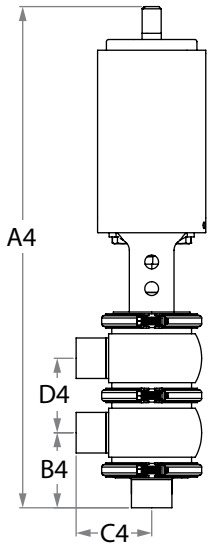
Minimal exposure of the O-ring to the flow

Static O-ring to minimize wear and erosion

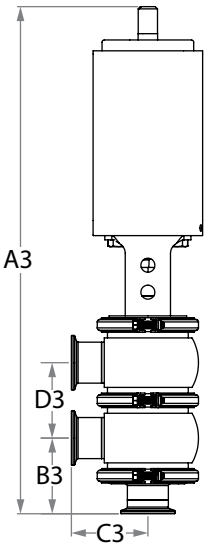
Robust, ball-shaped bodies made of AISI 316L BAR

Optimum CIP cleaning due to ball shape and surfaces - no dead spaces

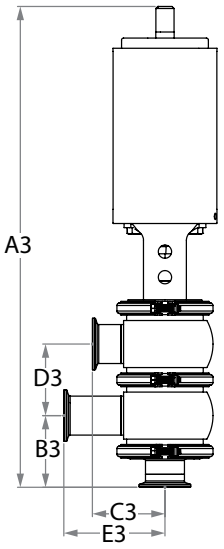
PVE Divert Valve Dimensions



Weld weld



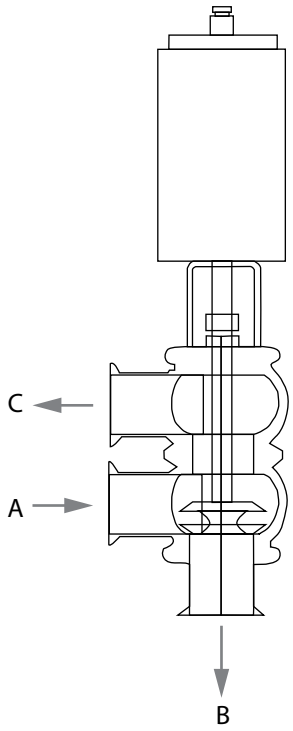
Clamp weld

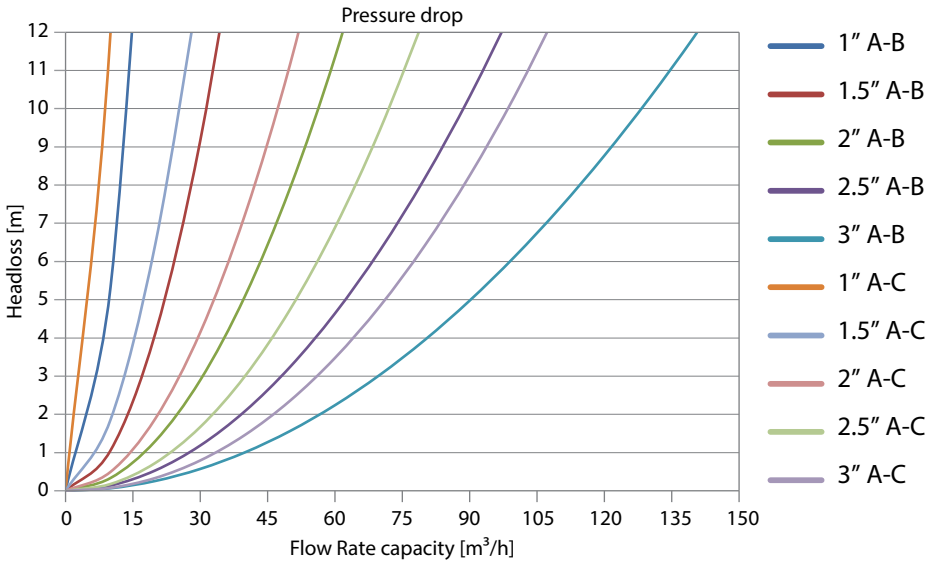


Divert valve long

	SIZE	OD	A3	A4	B3	B4	C3	C4	D3	D4	E3
	25	29	383	369	67	53	51	54	54	54	76.77
	40	42	475	462	76	63	-	90	70	70	-
DIN	50	53	508	495	84	71	-	92	80	80	-
	65	70	559	546	101	87	-	125	100	100	-
	80	85	615	602	106	93	-	125	120	120	-
	1"	25.4	361	361	51	51	51	51	50	50	-
	1.5"	38	462	449	70	70	70	70	70	70	-
RJT	2"	51	495	483	89	76	89	89	80	80	-
	2.5"	64	546	533	89	76	89	89	100	100	-
	3"	76	602	590	95	82	95	95	120	120	-

PVE Divert Valve Pressure Drop Vs Flow Rate Capacity Diagram





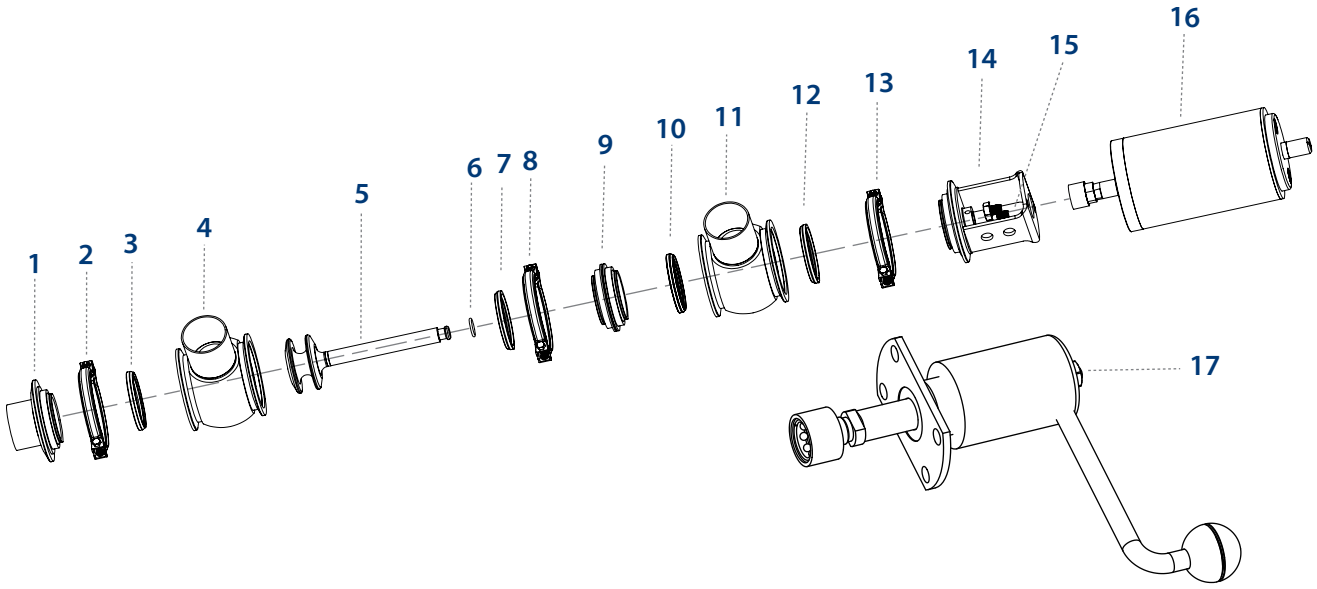
$$L2 = \frac{F^2}{17.5 \cdot D^4}$$

$$L3 = \frac{F^{\frac{3+LN(D)}{2}}}{3 \cdot D^{5.7}}$$

L2: Headloss [m] from A to B
L3: Headloss [m] from A to C
D: Valve diameter [in]
F: Flow Rate capacity [m³/h]

For initial evaluation only

PVE Divert Valve Components & Materials



Item	Description	Material
1	Lower connection	AISI 316L
2	Clamp assembly	Stainless Steel
3	Seal ring	EPDM - Viton - Silicone
4	Ball	AISI 316L
5	Steam	AISI 316L
6	Steam seal	EPDM - Viton - Silicone
7	Seal ring	EPDM - Viton - Silicone
8	Clamp assembly	Stainless Steel
9	Steam base	AISI 316L
10	Seal ring	EPDM - Viton - Silicone
11	Ball	AISI 316L
12	Seal ring	EPDM - Viton - Silicone
13	Clamp assembly	Stainless Steel
14	Bonnet	AISI 316L
15	Bonnet sensor	St. St
16	Stainless steel actuator	AISI 304L
17	Manual Shut Off - Optional	St. St

PRV - Pressure Relief Valves (Overflow Valves)

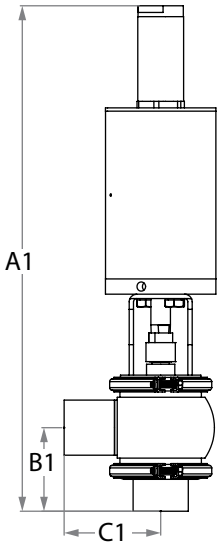
The primary purpose of a pressure- or vacuum-relief valve is to protect life and property by venting process fluid from an over-pressurized vessel, or adding fluid or gas (such as air) to prevent the formation of a vacuum strong enough to collapse a storage tank.

- ✓ Operates as a pressure-release valve with the option to completely open the valve using a pneumatic actuator
- ✓ Overflow valves are used mainly for automatic CIP operation or bypass

Pressure Relief Valve Properties:

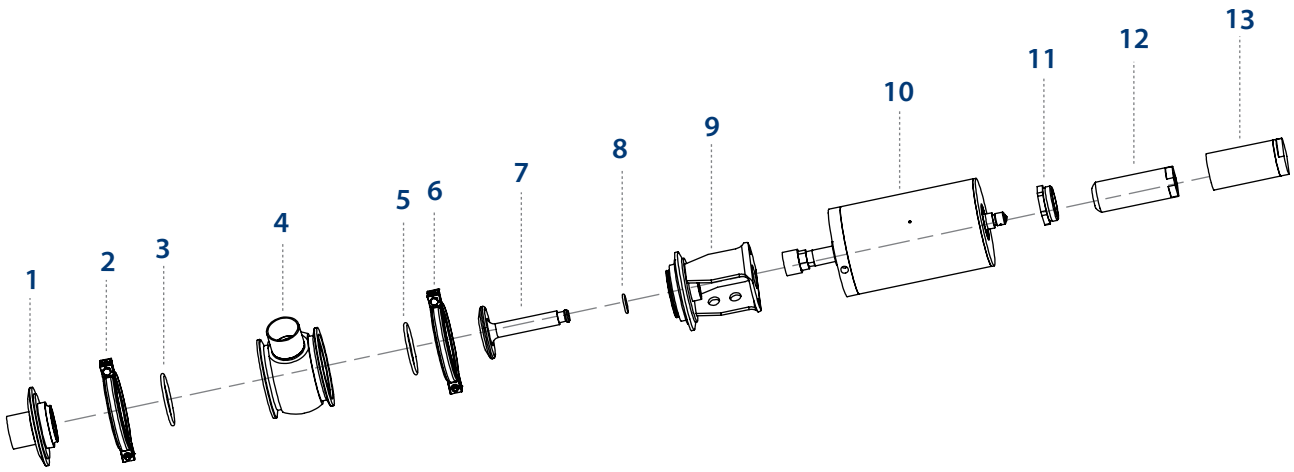
- ✓ Operating pressure 2- 7 bar
- ✓ Pressure to open pneumatically - Min 5 - Max 8 bar
- ✓ Constriction martial: Actuator: AISI 304L, Valve Body: AISI 316L, Gaskets: EPDM
- ✓ Valve Body AISI 316L
- ✓ Gaskets EPDM

PVE Pressure Relief Valve Dimensions



	SIZE	OD	A5	B5	C5
DIN	40	42	404	60	150
	50	53	414	85	150
	65	70	445	80	180
RJT1	1.5"	38	392	60	150
	2"	51	415	85	150
	2.5"	64	446	80	180
	3"	76	470	60	200

PVE Pressure Relief Valve Components & Materials



Item	Material	Description
1	Lower connection	AISI 316L
2	Clamp assembly	Stainless Steel
3	Seal ring	EPDM - Viton - Silicone
4	Ball	AISI 316L
5	Seal ring	EPDM - Viton - Silicone
6	Clamp assembly	Stainless Steel
7	Steam	AISI 316L
8	Steam seal	EPDM - Viton - Silicone
9	Bonnet	AISI 316L
10	Stainless steel actuator	AISI 304L
11	Calibrating screw	Brass
12	Locking screw	AISI 304L
13	Cup	AISI 304L

PVE Tank Bottom Valve

The Tank Bottom valve is a pneumatically actuated single seat valve used to shut off fluid media at vessels or tanks. Tank Bottom valves are assembled at the bottom of tanks in the dairy, food & beverage, pharmaceutical and chemical industries.
Constructed from AISI 316L stainless steel and electro-polished, the Tank Bottom valve optimizes CIP/SIP procedures by ensuring complete drainage of the tank,

Key Advantages:

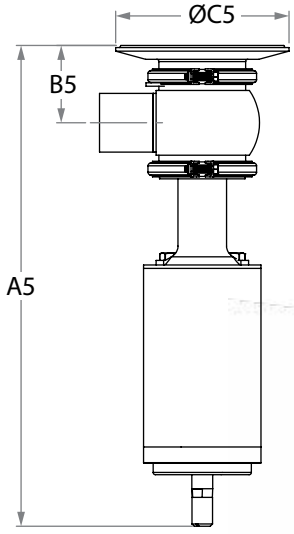
- ✓ Designed to fully drain the tank
- ✓ Zero dead leg design with minimum maintenance requirements
- ✓ Easily removed from the tank in one piece

Tank Bottom Valve Properties:

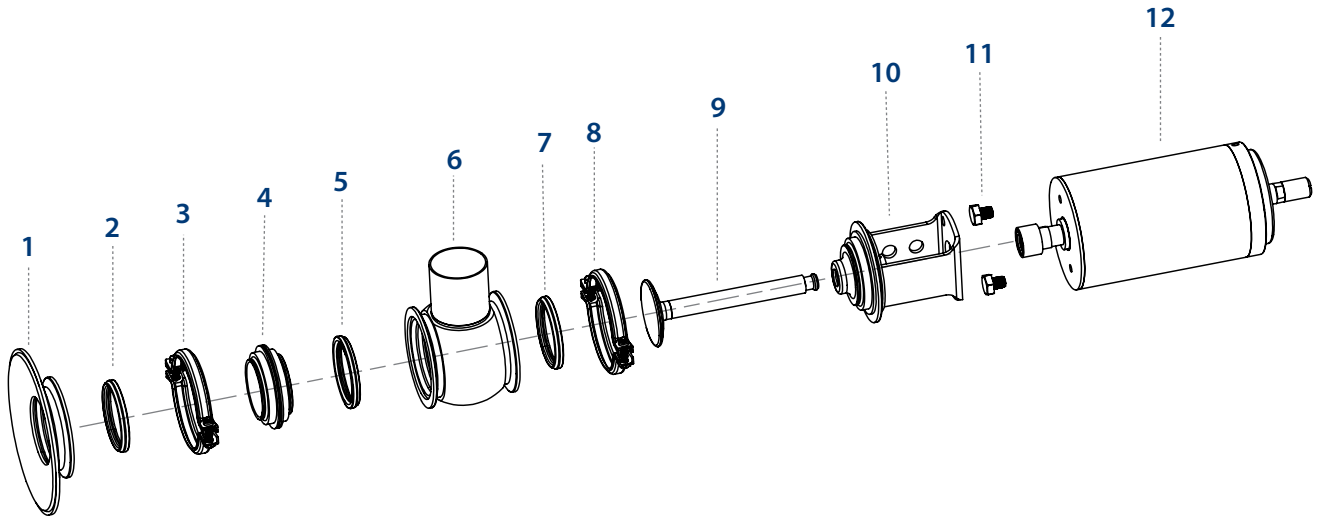
- ✓ Operating pressure 2- 7 bar
- ✓ Pressure to open pneumatically - Min 5 - Max 8 bar
- ✓ Construction materials: Actuator: AISI 304L, Valve Body: AISI 316L, Gaskets: EPDM
- ✓ Valve Body AISI 316L
- ✓ Gaskets EPDM

Tank Bottom Valve Dimensions

	SIZE	OD	A5	B5	C5
DIN	25	-	-	-	-
	40	42	404	60	150
	50	53	-	65	150
	65	70	445	80	180
	80	85	-	-	-
RJT	1"	-	-	-	-
	1.5"	38	404	60	150
	2"	51	415	65	150
	2.5"	64	445	80	180
	3"	76	470	97	200



PVE Tank Bottom Valve Components & Materials



Item	Description	Material
1	Lower connection	AISI 316L
2	Seal ring	EPDM - Viton - Silicone
3	Clamp assembly	St. St
4	Steam base	AISI 316L
5	Seal ring	EPDM - Viton - Silicone
6	Ball	AISI 316L
7	Seal ring	EPDM - Viton - Silicone
8	Clamp assembly	St. St
9	Steam	AISI 316L
10	Bonnet	AISI 316L
11	Bolt	St. St
12	Stainless steel actuator	AISI 304L

PVE Control Head

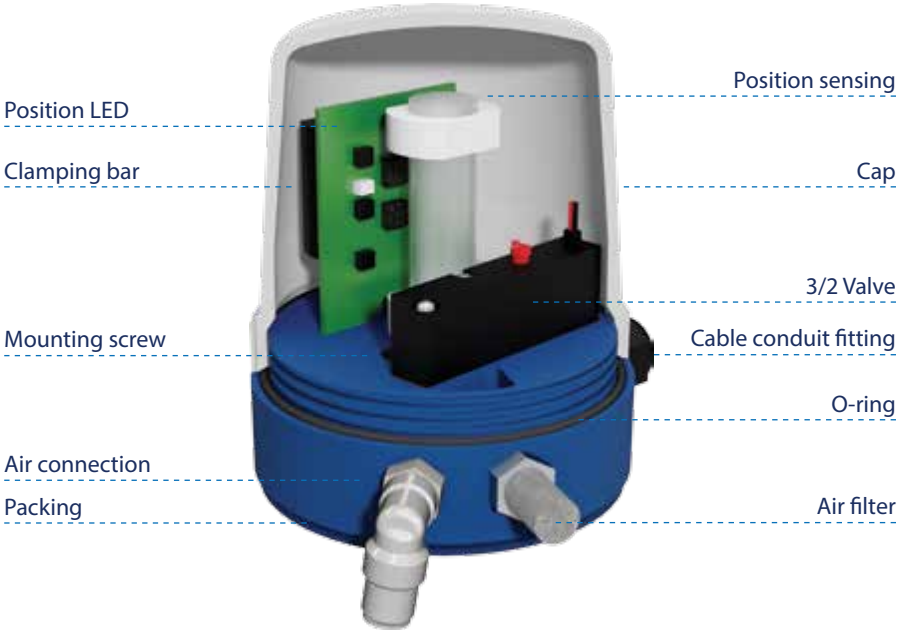
The control head unit is designed to control and actuate EGMO's pneumatic actuators.
The control unit is comprised of a solenoid valve and proximity sensors connected to an electronic PC board for different communication protocols, such as ASi-Bus.

- ✓ Clear visual indication for the valve position
- ✓ IP65 standard
- ✓ Construction materials suited of in-door and out-door application

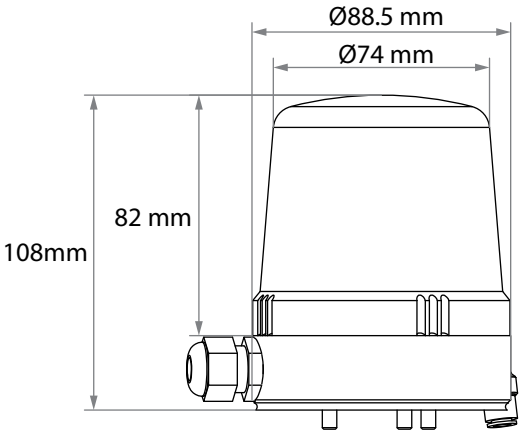
Control Head Technical Data

Electrical connection	Terminal	Spring clip; cable conduit fitting M16x1,5
	Port diameter	0,3 … 0,75mm^2
	Operation voltage	Uv = 24 V DC
	Control voltage	Ux = 24 V DC; ±10%
	Current carrying capacity	IAx = 70mA
	Protection	IP 67
LED indication	Operation voltage	Yellow LED
	Valve position open	Green LED
	Valve position closed	Red LED
Materials	Top section	PC polycarbonate, transflex
	Bottom section	PA 6, blue
	Packing	EPDM, VMQ
3/2 Valve, N/C	Power rating	1 W
	Max. switching frequency	10 Hz
Air connection	Tube	6x4 (external - x internal diameter)
	Operating pressure range	0,5 ... 0,7 Mpa
	Medium	Air of instrument filtered 5µm; oiled or not oiled
Temperatures	Ambient	-10 °C… +55 °C
	Storage	-10 °C… +75 °C

PVE Control Head Components & Materials



PVE Control Head Dimensions



ESV - EGMO Sampling Valves

Hygienic sampling valves for pharmaceutical & sanitary applications

The EGMO Sampling Valves are uniquely designed for process quality control, which often demands a stringent sampling process for the finished product and throughout the various production stages. Sampling plays a critical role in product verification.
Sampling directly from the process can be risky for the operator as well as for environment (contamination, pollution). Wherever product safety is a top priority, use ESVs to ensure stringent product quality control at every processing stage while eliminating risks in the sampling procedure.
With ESV, bacteriological samples can be taken safely taken directly from the pipeline.

ESV1

ESV2

Key Advantages:

- ✓ AISI 316L stainless-steel body and parts for maximum cleanability.
- ✓ Electro-polish finishes for corrosion resistance & reduced risk of bacterial growth.
- ✓ Available with SIP/CIP ports for sterilization
- ✓ Optimal cleaning capabilities. No dead spaces in the valve body
- ✓ One-part stem for optimum sterility
- ✓ Valve plug covered with Teflon shaft
- ✓ Viton O-ring for complete sealing
- ✓ Leak detection outlet

Product Range:

- ✓ Available in ½″ - ¾″ - 1″-1½″ - (additional inlet/ outlet connections and sizes available per customer request)
- ✓ Available with Clamp connections.
  Weld and other connections are available upon request.
- ✓ Available with stainless-steel or plastic handle
- ✓ SIP/CIP ports for sterilization are available

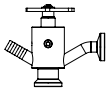
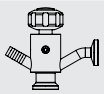
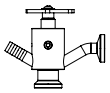
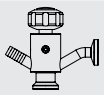
ESV Technical Data

Materials	Body: AISI 316L (1.4404) Shaft: PTFE reinforced with glass fibers/AISI 316L (1.4404)
Valve body applications	Vessels, Pipe, Clamp, Thread and Socket.
Seal	Viton
Operating Pressure	Up to 10 Bar
Operating Temperature	Sterilization temperature: 120˚-130˚C with dry steam (depends on product)
External Dimensions	Length 90mm (ESV1, ESV2: 72mm) Diameter 27mm (ESV1, ESV2: 28mm)
Surface Finish	Standard finish is 20 Ra µ" Mechanical Polish
Connections	Clamp ends / DIN ends/ DIN ends on request / BS (RJT) ends – upon request / IDF ends - upon request * Available with Weld end connection upon request.

How to Order

ESV Type	Sample Valve
ESV Model	ESV1 ESV2
Dimension	½"-¾" 1"- 1 ½"
Outlet Angle	60º 90º
Handle material	Stainless-steel Plastic

ESV1

Dimension	Angle	Hand. Mat	Art. Number	Hand. Mat
½"-¾"	60°	St. St	621-00044	
1"- 1½"	60°	St. St	621-00064	
½"-¾"	60°	Plastic	621-00131	
1"- 1½"	60°	Plastic	621-00137	
½"-¾"	90°	St. St	621-00135	
1"- 1½"	90°	St. St	621-00136	
½"-¾"	90°	Plastic	621-00132	
1"- 1½"	90°	Plastic	621-00133	

ESV2

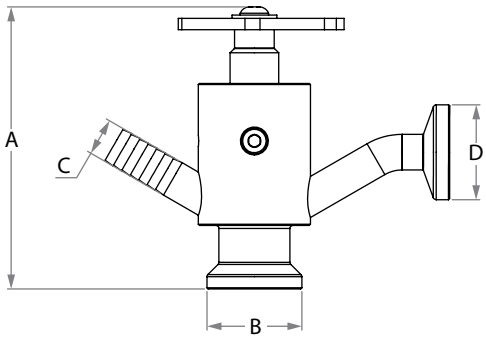
Dimension	Angle	Hand. Mat	Art. Number	Hand. Mat
½"-¾"	60°	St. St	621-00033	
1"- 1½"	60°	St. St	621-00049	
½"-¾"	60°	Plastic	621-00123	
1"- 1½"	60°	Plastic	621-00138	
½"-¾"	90°	St. St	621-00139	
1"- 1½"	90°	St. St	621-00085	
½"-¾"	90°	Plastic	621-00144	
1"- 1½"	90°	Plastic	621-00134	

ESV1

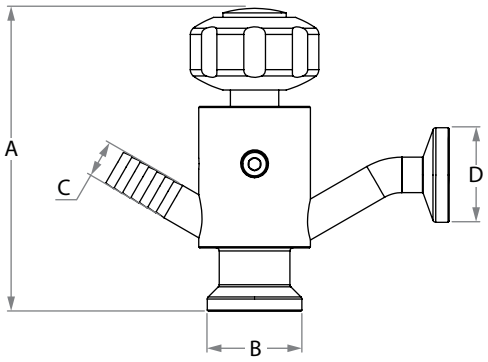
ESV1 is used for sampling a representative quantity of a liquid in process. It is designed to ensure sterilization before and after taking a sample. ESV1 includes SIP/CIP ports for sterilization of the valve. Its failsafe design is well-suited for the pharmaceutical, biochemical, cosmetic, food and dairy industries.

- ✓ AISI 316L stainless-steel body and parts for maximum cleanability.
- ✓ One-part stem for optimum sterility
- ✓ Leak detection outlet
- ✓ Available in ½″ - ¾″ - 1″-1½″ - (additional inlet/ outlet connections and sizes available per customer request)
- ✓ Available with stainless-steel or plastic handle

ESV1 Dimensions



ESV1 Stainless steel handle

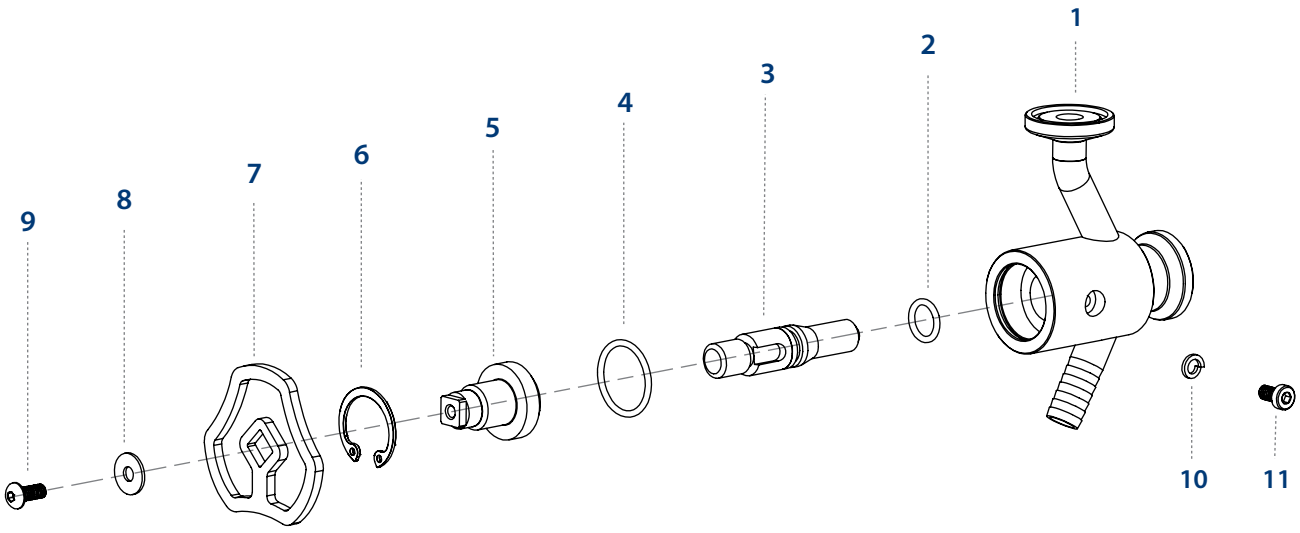


ESV1 Plastic handle

½"-¾"	St. Steel handle 60°	Plastic handle 60°	St. Steel handle 90°	Plastic handle 90°
Part no.	621-00044	621-00131	621-00135	621-00132
A	75.5 mm	81.mm	75.5 mm	81.4 mm
B	Ø25.4 mm	Ø25.4 mm	Ø25.4 mm	Ø25.4 mm
C	Ø25.4 mm	Ø25.4 mm	Ø25.4 mm	Ø25.4 mm
D	Ø10 mm	Ø10 mm	Ø10 mm	Ø10 mm
Weight	0.29 kg- 0.64 lb	0.27 kg- 0.6 lb	0.29 kg- 0.64 lb	0.27 kg- 0.6 lb

1"-1½"	St. Steel handle 60°	Plastic handle 60°	St. Steel handle 90°	Plastic handle 90°
Part no.	621-00064	621-00137	621-00136	621-00133
A	72 mm	81.4 mm	75.5 mm	81.4 mm
B	Ø50.5 mm	Ø50.5 mm	Ø50.5 mm	Ø50.5 mm
C	Ø25.4 mm	Ø25.4 mm	Ø25.4 mm	Ø25.4 mm
D	Ø10 mm	Ø10 mm	Ø10 mm	Ø10 mm
Weight	0.3 kg- 0.66 lb	0.29 kg- 0.64 lb	0.3 kg- 0.66 lb	0.29 kg- 0.64 lb

ESV1 Components & Materials



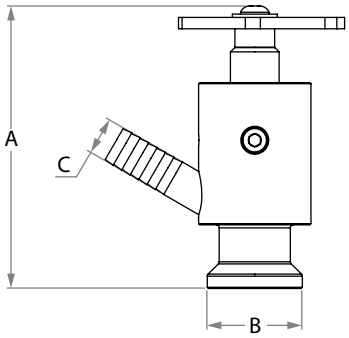
Item no.	Description	Material
1	Valve body	AISI 316L
2	Stem seal O-Ring 2-012	Viton FDA 150° C
3	Assembling Stem	AISI 316/TFM
4	O-Ring 2-012	Viton
5	Valve plug	AISI 316L
6	Spindle lock	AISI 302
7	Handle	AISI 316L
8	Plain Washer M4-DIN 9021	St. St
9	HEX.SOC. Screw ISO7380 M4X10	St. St
10	Stopper DIN 6912 A4	St. St
11	Plain washer M4-DIN9021	St. St

ESV2

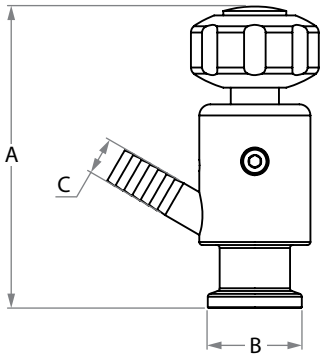
ESV2 is used for sampling a representative quantity of a liquid in process. It is designed to ensure sterilization before and after taking a sample. Its failsafe design is well-suited for the pharmaceutical, biochemical, cosmetic, food and dairy industries.

- ✓ AISI 316L stainless-steel body and parts for maximum cleanability.
- ✓ One-part stem for optimum sterility
- ✓ Leak detection outlet
- ✓ Available in ½″ - ¾″ - 1″-1½″ - (additional inlet/ outlet connections and sizes available per customer request)
- ✓ Available with stainless-steel or plastic handle

ESV2 Dimensions



ESV2 stainless steel handle

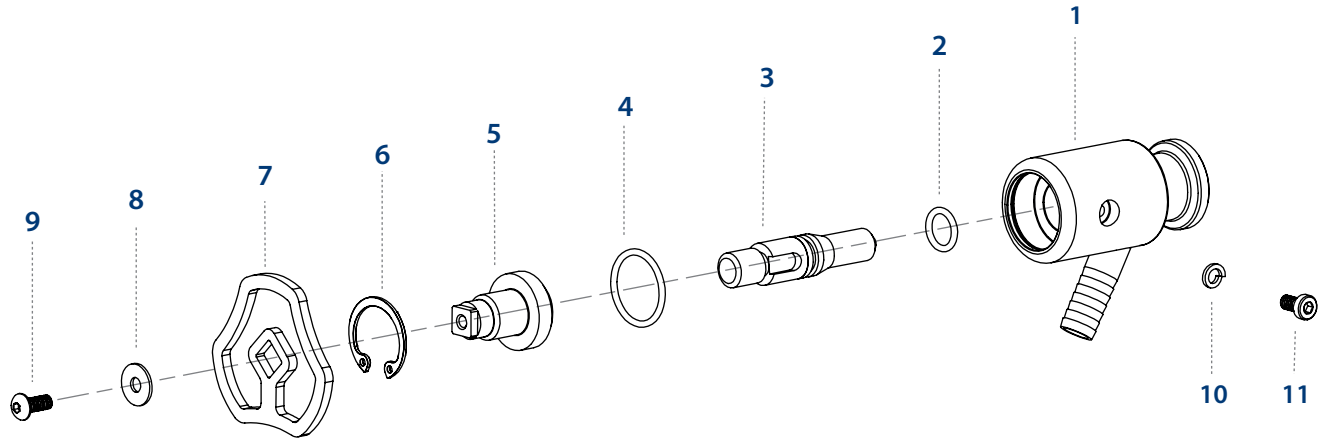


ESV2 plastic handle

½"-¾"	St. Steel handle 60°	Plastic handle 60°	St. Steel handle 90°	Plastic handle 90°
Part no.	621-00033	621-00123	621-00139	621-00124
A	75.5 mm	81.4 mm	76.3 mm	81.4 mm
B	Ø25.4 mm	Ø25.4 mm	Ø25.4 mm	Ø325.4 mm
C	Ø10 mm	Ø10 mm	Ø10 mm	Ø10 mm
Weight	0.28 kg- 0.62 lb	0.26 kg- 0.57 lb	0.28 kg- 0.62 lb	0.26 kg- 0.57 lb

1"-1½"	St. Steel handle 60°	Plastic handle 60°	St. Steel handle 90°	Plastic handle 90°
Part no.	621-00049	621-00138	621-00085	621-00134
A	72 mm	81.4 mm	75.5 mm	81.4 mm
B	Ø50.5 mm	Ø50.5 mm	Ø50.5 mm	Ø50.5 mm
C	Ø10 mm	Ø10 mm	Ø10 mm	Ø10 mm
Weight	0.29 kg- 0.64 lb	0.28 kg- 0.62 lb	0.29 kg- 0.64 lb	0.28 kg- 0.62 lb

ESV2 Components & Materials



Item no.	Description	Material
1	Valve body 1 &1.5”	AISI 316L
2	Steam seal O-ring 2-012	Viton FDA 150° C
3	Assembling stem	AISI 316L/TFM
4	O-ring 2-012	Viton
5	Valve plug	AISI 316L
6	Spindle lock	AISI 302
7	Handle	AISI 316L
8	Plain washer M4-DIN 9021	St. St
9	HEX.SOC. Screw ISO7380 M4X10	St. St
10	Stopper DIN6912 A4	St. St
11	Plain washer M4-DIN 9021	St. St

Angle Type Strainers

EGMO strainers play a critical role in protecting production plants and machinery from mechanical damage, protecting products from contamination by undesirable particles, and reducing production downtime. EGMO strainers are easy to install, have minimal space requirements, and are available in a broad range of densities for different installations.

EGMO's strainers are made of AISI 316L stainless steel which meet all 3A requirements as well as other food & dairy standards and are offered in 1˝ to 3˝ sizes (DN 25-DN 65).

Key Advantages:

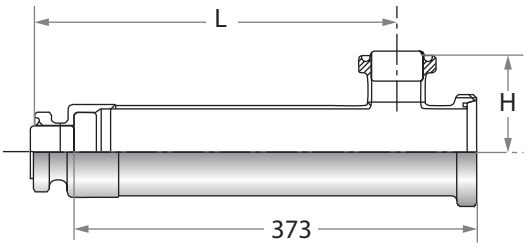
- ✓ The gap width can be easily adjusted to specific requirements by replacing the filter hole strainer sleeve.
- ✓ The strainers are designed for enhanced differential pressure stability.
- ✓ The built-in record / clamp connection makes assembling and disassembling the strainer sleeve quick and easy.
- ✓ Direction of flow is from the inside to the outside
- ✓ EGMO's angle strainer is easily assembled to the filter with a sanitary quick connection.

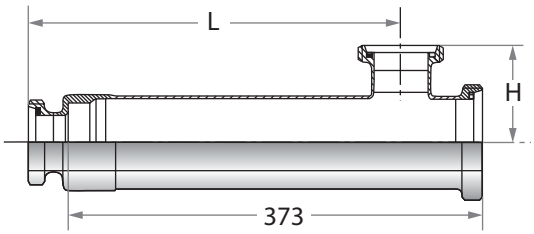
Angle Type Strainers Technical Data

Material	In contact with the product	AISI 316L
	Not in contact with the product	304/AISI 304L
	Strainer	AISI 316L
Surfaces	Inside	Ra ≤ 0.8 µm (strainer and welding seam higher)
	Outside	Ra ≤ 0.8 µm (strainer and welding seam higher)
Sealing	Grooved ring, sealing ring	EPDM (other materials on request)
Compressive strength	Nominal pressure DN25 - DN100	PN10
Connections	Standard	Welding ends DIN EN 10357
	Optional	Thread ends DIN 11851/SMS
	Optional	Liner ends DIN 11851
	Optional	Clamp ends DIN 32676
		Liner ends DIN 11864
		clamp ends RJT thread ends

** Other variations available on request*

Standard Angle Type Strainer Dimensions



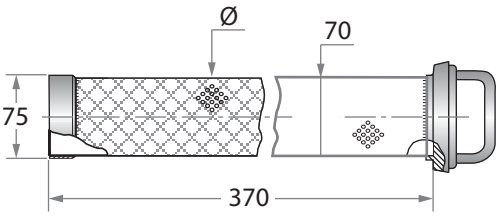


BS Angle Strainer Dimensions

Ordering Code	Size	Dimensions	
		L	H
FSR1.0-D	1"	347.5	72.5
FSR1.5-D	1½"	347.5	72.5
FSR2.0-D	2"	347.5	98.5
FSR2.5-D	2½	347.5	102
FSR3.0-D	3"	347.5	102

DIN Angle Strainer Dimensions

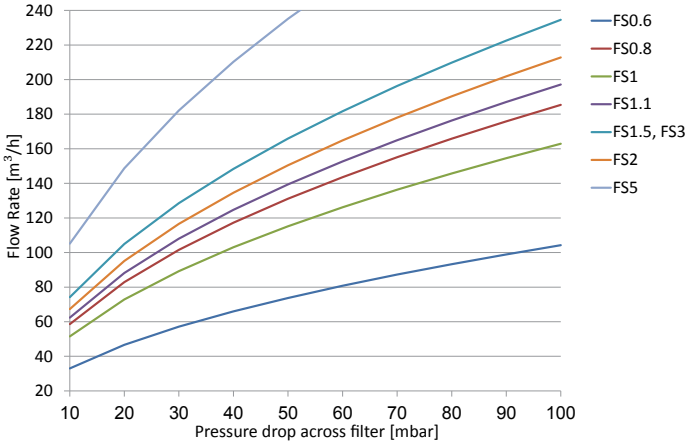
Ordering Code	Size	Dimensions	
		L	H
FSD025-D	DN 25	342	80
FSD040-D	DN 40	342	80
FSD050-D	DN 50	343	84
FSD065-D	DN 65	345	99



Angle Strainer Insert Dimensions

Ordering Code	Size	Dimensions
		Ø
FS-0.6-D05	1"-37DN25-65	0.6 mm
FS-0.8-D05	1"-37DN25-65	0.8 mm
FS-1.0-D05	1"-37DN25-65	1.0 mm
FS-1.5-D05	1"-37DN25-65	1.5 mm
FS-2.0-D05	1"-37DN25-65	2.0 mm
FS-3.0-D05	1"-37DN25-65	3.0 mm
FS-5.0-D05	1"-37DN25-65	5.0 mm

Fluid density - 1000 [Kg/m^3] (Water/Dairy) SG=1



Note:

Not all the angle strainer versions could be included in this catalog.
We will be happy to modify our angle type strainer to meet your needs.

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