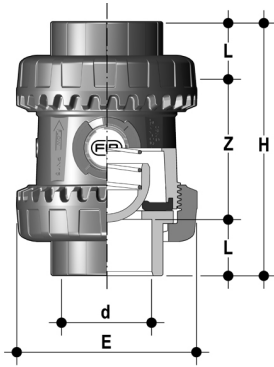


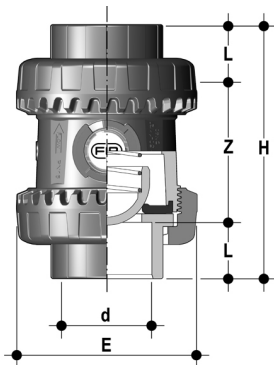
DIMENSIONS



SSEIC

True Union Spring Check Valve Easyfit with metric plain socket ends for solvent welding

d	DN	PN	E	H	L	Z	g	EPDM code	FKM code
16	10	16	54	82	14	54	157	SSEIC016E	SSEIC016F
20	15	16	54	82	16	50	160	SSEIC020E	SSEIC020F
25	20	16	63	91	19	53	198	SSEIC025E	SSEIC025F
32	25	16	72	103	22	59	315	SSEIC032E	SSEIC032F
40	32	16	85	120	26	68	481	SSEIC040E	SSEIC040F
50	40	16	100	139	31	77	688	SSEIC050E	SSEIC050F
63	50	16	118	174	38	98	1090	SSEIC063E	SSEIC063F

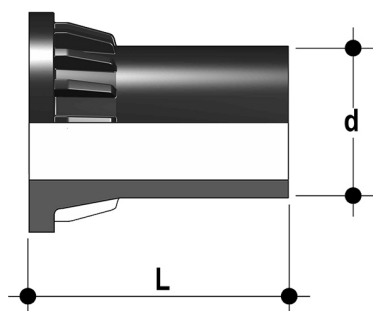


SSEAC

Easyfit spring check valve with female ends for solvent welding, ASTM series

d	DN	PN	E	H	L	Z	g	EPDM code	FKM code
1/2"	15	16	54	96	22,5	51	158	SSEAC012E	SSEAC012F
3/4"	20	16	63	105	25,5	54	200	SSEAC034E	SSEAC034F
1"	25	16	72	117	28,7	59,5	315	SSEAC100E	SSEAC100F
1" 1/4	32	16	85	136	32	72	505	SSEAC114E	SSEAC114F
1" 1/2	40	16	100	147	35	77	686	SSEAC112E	SSEAC112F
2"	50	16	118	174	38,2	97,6	1119	SSEAC200E	SSEAC200F

ACCESSORIES



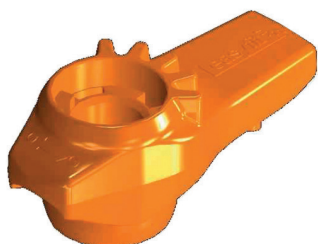
CVDE

Long spigot PE100 end connectors for joints with electrofusion fittings or for butt welding

d	DN	PN	L	SDR	Code
20	15	16	55	11	CVDE11020
25	20	16	70	11	CVDE11025
32	25	16	74	11	CVDE11032
40	32	16	78	11	CVDE11040
50	40	16	84	11	CVDE11050
63	50	16	91	11	CVDE11063

Easyfit handle

Easyfit multifunctional handle for union nut tightening SXE-SSE DN 10÷50



d	DN	Code
16 - 20	10 - 15	HAVXE020
25	20	HAVXE025
32	25	HAVXE032
40	32	HAVXE040
52	40	HAVXE050
63	50	HAVXE063

EASYTORQUE KIT

Kit for union nut tightening adjustment and ball seat carrier for Easyfit DN 10÷50 valves.



d	DN	Union nut tightening torque*	Seat carrier tightening torque*	Code
3/8"-1/2"	10-15	5 N m - 3,69 Lbf ft	3 N m - 2,21 Lbf ft	KET01
3/4"	20	5 N m - 3,69 Lbf ft	3 N m - 2,21 Lbf ft	KET01
1"	25	6 N m - 4,43 Lbf ft	4 N m - 2,95 Lbf ft	KET01
1" 1/4	32	7 N m - 5,16 Lbf ft	4 N m - 2,95 Lbf ft	KET01
1" 1/2	40	8 N m - 5,90 Lbf ft	5 N m - 3,69 Lbf ft	KET01
2"	50	10 N m - 7,38 Lbf ft	6 N m - 4,43 Lbf ft	KET01

*calculated in ideal installation conditions



LSE

Customisation and label printing set for Easyfit handle made up of precut adhesive sheets and software for guided label creation.

d	DN	SXE-SSE code
16	10	-
20	15	-
25	20	-
32	25	LSE020
40	32	LSE025
50	40	LSE032
63	50	LSE032

CUSTOMISATION

Fig. 1



Fig. 2

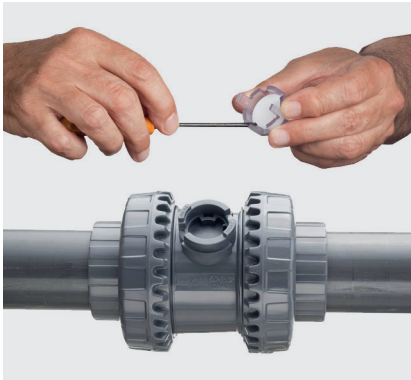


Fig. 3



SSE DN 10÷50 Easyfit valve is equipped with a customisable Labelling System.

This system lets you create special labels to affix to the valve body. This makes it extremely easy to apply company logos, identification serial numbers or service indications such as, for example, the valve function in the system, the transported fluid, but also specific information for customer service, such as the customer name or installation date or location on the valves.

The specific LCE module is a standard supply and is made up of a rigid transparent water-resistant PVC plug and white tag holder made of the same material, one side of which bears the FIP logo (fig. 1).

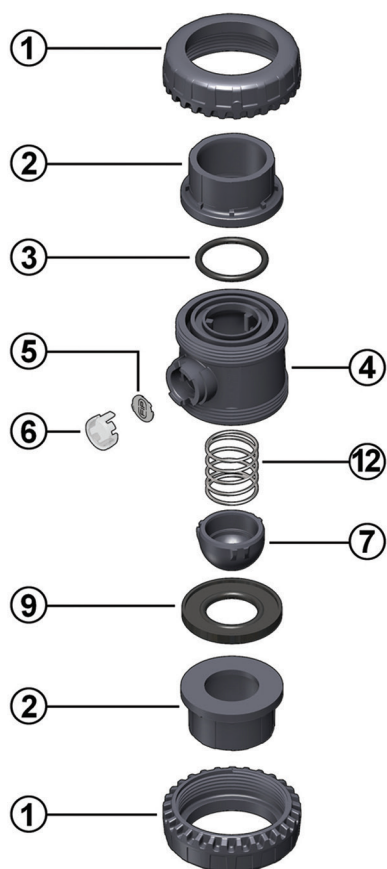
The holder, inserted in the plug, can be removed and, once overturned, used for customisation by applying labels printed with the software supplied with the LSE set.

Proceed as follows to apply the label on the valve:

- 1) Extract the transparent plug from the seat on the valve body (fig. 1).
- 2) Extract the tag holder from the transparent plug (fig. 2).
- 3) Apply the adhesive label on the tag holder to align the profiles matching the tab position.
- 4) Re-insert the tag holder in the transparent plug so that the label is protected from the elements.
- 5) Replace the transparent plug in its seat on the valve body.

COMPONENTS

EXPLODED VIEW



- | | | | | | |
|----------|------------------------------------|----------|---------------------------------------|-----------|-----------------------------------|
| 1 | Union nut (PVC-C - 2) | 5 | Tag holder (PVC - 1) | 9 | Shutter gasket (EPDM, FKM - 1) |
| 2 | End connector (PVC-C - 2) | 6 | Transparent protection plug (PVC - 1) | 10 | Ball seat carrier (PVC-C - 1) |
| 3 | Socket seal O-Ring (EPDM, FKM - 2) | 7 | Shutter (PVC-C - 1) | 11 | Radial seal O-Ring (EPDM,FKM - 1) |
| 4 | Body (PVC-C - 1) | 8 | Gland packing ring (PVC-C - 1) | 12 | Spring (STAINLESS steel* - 1) |

The component material and quantity supplied are indicated in the parentheses.

DISASSEMBLY

In the event of leaks or wear, before performing maintenance, cut-off fluid upstream from the valve and make sure it is de-pressurised (downstream drain if necessary).

- 1) Fully drain residual liquid that could be aggressive for the operator and, if possible, circulate water to internally clean the valve.
- 2) To easily unscrew the union nuts when dismantling, use the Easyfit multifunctional handle (supplied as an accessory) (fig. 4) or Easytorque kit (fig. 5-6).
- 3) Extract the ball seat O-ring (9).
- 4) Remove all internal components.

ASSEMBLY

- 1) Reconstruct the valve following the exploded view on the previous page.
- 2) Position the valve between the end connectors (2) and tighten the union nuts clockwise (1) using the Easyfit multifunctional handle (fig. 4) or Easytorque kit (fig. 5-6), being sure the socket seal O-ring (3) does not exit the seats.



Note: during assembly operations, it is advisable to lubricate the rubber seals. Mineral oils are not recommended for this task as they react aggressively with EPDM rubber.

Fig. 4

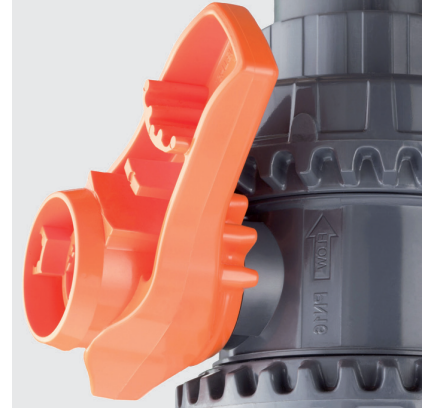


Fig. 5



Fig. 6



Fig. 7



INSTALLATION

SSE valve can be installed both vertically (upward flow) or horizontally. Before proceeding with installation, please follow these instructions carefully:

- 1) Check that the pipes to be connected to the valve are aligned in order to avoid mechanical stress on the threaded joints.
- 2) Unscrew the union nuts (1) from the body (4) and insert them in the pipe segments.
- 3) Solvent weld or screw the end connectors (2) onto the pipe segments.
- 4) Position the valve body between the end connectors (fig. 9).
- 5) Fit the union nuts on the valve body and manually tighten clockwise until they become hard to turn; do not use wrenches or other tools that can damage the union nut surfaces.
- 6) For easy union nut tightening in assembly, use the Easyfit multifunctional handle (supplied as an accessory).
- 7) Overturn the handle and insert it on the stem so the handle teeth (A) match the union nut teeth (B) (fig. 10)
- 8) Turn the handle counter-clockwise to fully tighten the union nut (fig. 10). The rotation directions to tighten (TIGHTEN) and loosen (UNTIGHTEN) the union nuts are indicated on the handle (fig. 11). Generally, if pipes are not offset, a single turn is sufficient for correct tightening.
- 9) Repeat point 7 for the other union nut. Note: A small force applied on the handle develops a torque much higher than manual tightening. You can also, using the Easytorque kit (fig. 5-6), supplied as an accessory, tighten union nuts using a torque wrench to quantify the force and thus monitor the stress applied to the thermoplastic threads according to the installation indications in the instructions enclosed with the kit.
- 10) If necessary, support pipes with FIP pipe clip model ZIKM and DSM distance plates.

WARNINGS

Do not use compressed air or other gases to test thermoplastic lines. Always avoid sudden closing manoeuvres and protect the valve against accidental manoeuvres. Leave a straight section of pipe of length equal to 5 times the nominal diameter before and after the valve.

Fig. 8



Fig. 9



Fig. 10

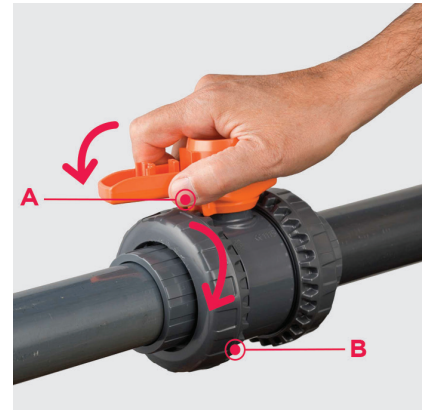


Fig. 11

