

SV22 Manifold kits

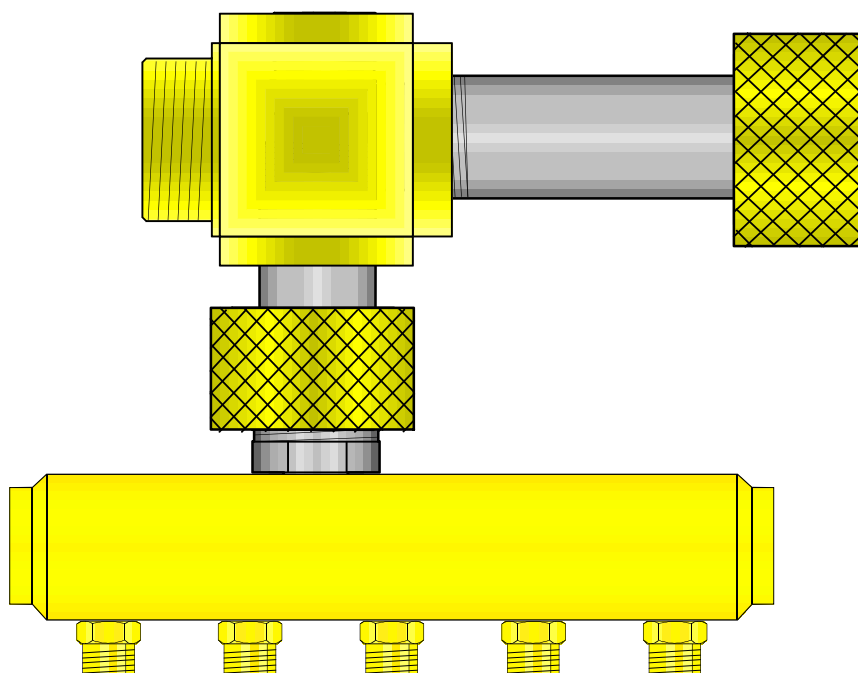
Item numbers covered by this datasheet

305172	SV22 MT 2 Manifold kit	(305272 manifold)
305173	SV22 MT 3 Manifold kit	(305273 manifold)
305174	SV22 MT 4 Manifold kit	(305274 manifold)
305175	SV22 MT 5 Manifold kit	(305275 manifold)
305176	SV22 MT 6 Manifold kit	(305276 manifold)
305177	SV22 MT 7 Manifold kit	(305277 manifold)
305178	SV22 MT 8 Manifold kit	(305278 manifold)

General

The manifold is used with the Selector Valve system (SV22)

Each connection is fitted with a non-return valve to prevent actuation of the connected discharge valve. The manifold kit is supplied completely with a high-pressure tee so that it can be used directly as the distribution manifold for SV22.



Document: SV22 Manifold kit

Category:

SV-CiV system

Id: MK

Rev: 2012.09.03

Text



FIRE EATER 4/5

Vølundsvej 17
DK- 3400 Hillerød
Tel +45 7022 2769
Fax +45 7023 2769

Specifications**Pressure:**

Work: 400 bar (300 bar fill @ 15°C)

Proof (burst): > 1440 bar

Temperature:

-40 to +70°C

Flow way:max 255mm²/connection (ø18mm)max 50mm²/connection (ø8mm)**Tread connections:**

Hose connection: ISO228 G3/8" (60° seat), male

Tee: M40×1.5 - M30×1.5 (Special O-ring interface for distribution manifold)

Manifold: ISO228 - 3/4" Cu seal in bottom

Materials:

Brass, Stainless steel, EPDM

Dimension:

L×D×H: see drawing ×ø40×51mm

("it" are internal technical measurements giving the length to next component)

Weight: see table

Table 1

Item number	Marking	Orifice max.	Weight kit	Length	Lenght it	Height Incl adapter
		mm	kg	mm	mm	mm
305172	SV22-MT 2	ø11.3	2.75	90	138.5	185
305173	SV22-MT 3	ø13.5	4.30	210	178.5	185
305174	SV22-MT 4	ø15.6	4.30	210	178.5	185
305175	SV22-MT 5	ø17.4	4.30	210	178.5	185
305176	SV22-MT 6	ø18.0	5.90	330	213.5	185
305177	SV22-MT 7	ø18.0	5.90	330	213.5	185
305178	SV22-MT 8	ø18.0	5.90	330	213.5	185

Markings

Manifold: Fire Eater Logo, SV22-MT##, Serial number, CE116, 08

Arrow for each connection

Tee: Dn 22mm, Wp 400 bar

Parts

The kit consists of 5 item numbers

- 11: Manifold
- 12: Cupper seal
- 13: Connector
- 14: Pipe kit
- 15: Tee

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**FIRE EATER** 4%

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Installation

After the Selector Valve is connected to the rail the SV22 MT manifold is screwed on to the Selector Valve tee by hand.

Great care must be taken not to damage the o-ring in the connection.

The union nut is tightened by hand, additional tightening by a wrench is acceptable to prevent loosening but not required for tightness issues.

Operating

No operations are necessary.

Maintenance

No requirements.

Routine testing

No requirements.

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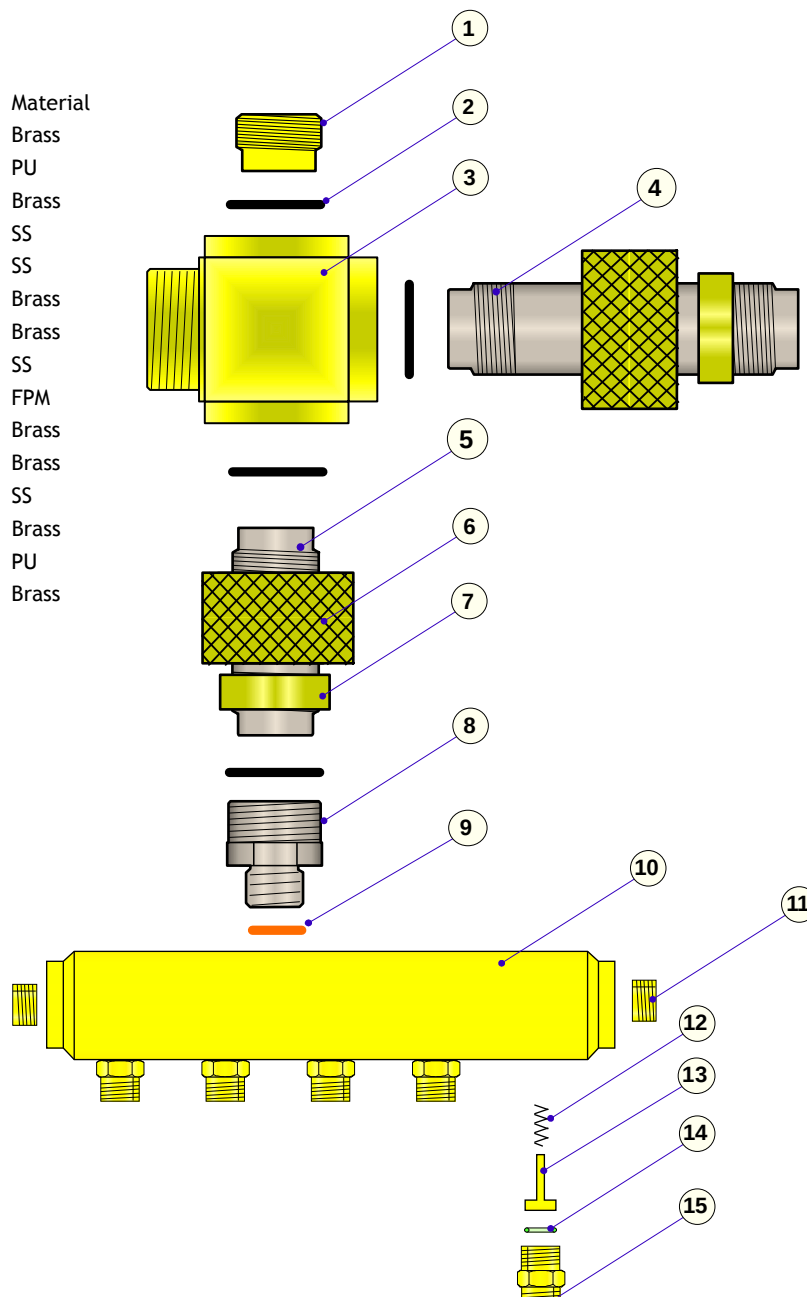
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Exploded view

Pos.	Item no.	Item name	Material
1	305212	SM22 M30 Plug	Brass
2	2260152	O-ring 26.0x1.5	PU
3	305211	SM22 Cross	Brass
4	305202	SM22 Pipe M30 85mm	SS
5	305201	SM22 Pipe M30 60mm	SS
6	305223	SM22 Union Nut	Brass
7	305221	SM22 Union Ring	Brass
8	305233	SM22 Adapter 3/4	SS
9	302095	O-ring 21.6x2.4	FPM
10	305136	SM MT5-5	Brass
11	303213	Blind plug 3/8"BSPT	Brass
12	305324	Spring 0.5x5.0x20.5mm	SS
13	305322	Bleed Piston	Brass
14	2071162	O-ring 7.1x1.6	PU
15	305312	Nippel 3/8-3/8 Checkvalve	Brass



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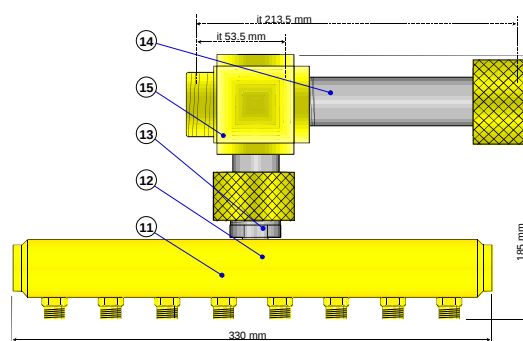
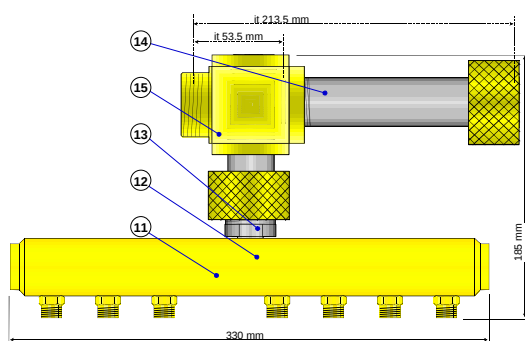
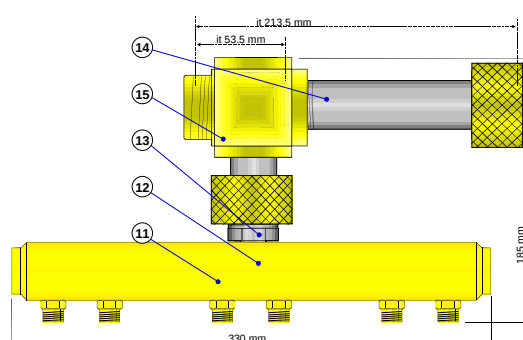
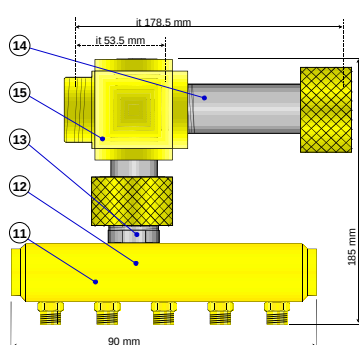
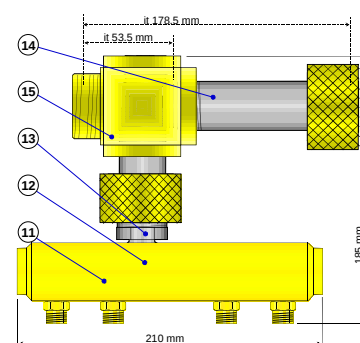
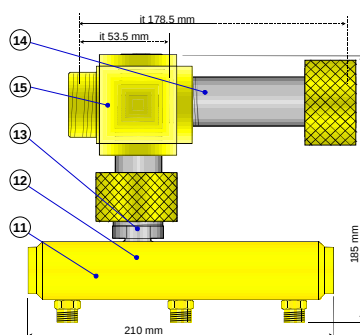
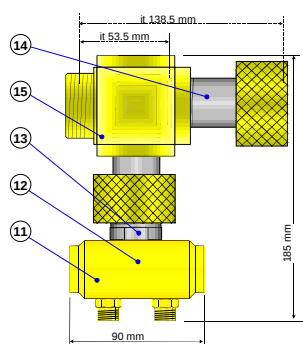
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**FIRE EATER 4/5**

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Drawings



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SV-CiV systemId: MK
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Text

1	
2	
3	
4	
5	
6	
7	
8	
9	

Declaration of Performance

Nr. SV-MT 2013-11

1. Product type identification:

SV-MT

2. Type identification:

"SV-MT" # (#= No of connections)

serial number, Logo Inert gas,

40MPa, -40 to +70 °C

Arrow for each connection, Flow way xxx

3. Intended use:

Inert gas Fire suppression system

4. Manufacturer:

Fire Eater A/S

Vølundsvej 14, DK-3400 Hillerød

Denmark

5. NA

6. Assessment system:

System 1

7. Certification body for this product is

CNPP Cert

CNPP certificate: 1116-CPD-031

Test report: CNPP GH 08 00 15

8. NA

9. Performance

Product type

Manifold

w. Check & Non return valve

Operating temp

-40 to +70 °C

Type of system

Inert gas system

Connections

2 3 4 5 6-8

Flow way

100 150 200 250 255 [mm²]

Work pressure

0 - 40 MPa

Burst pressure

>120 MPa

Mounting

Any

10. On behalf of Fire Eater

Signature:



Michael Kroneder, CTO

Hillerød 2013-12-04

Document:

Declaration of Performance SV-MT 2013-11

Text

Category:

Control inert

Id: MK

Rev:2013.12.04



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