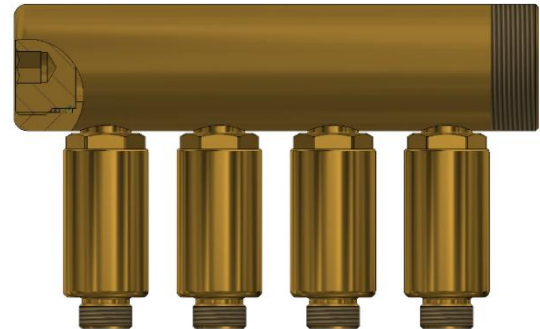


SV NRV MT Manifold / Kit

Item numbers covered by this datasheet

306372 / 306382	SV NRV MT2 Manifold / Kit
306373 / 306383	SV NRV MT3 Manifold / Kit
306374 / 306384	SV NRV MT4 Manifold / Kit
306375 / 306385	SV NRV MT5 Manifold / Kit
306376 / 306386	SV NRV MT6 Manifold / Kit
306377 / 306387	SV NRV MT7 Manifold / Kit
306378 / 306388	SV NRV MT8 Manifold / Kit
306379 / 306389	SV NRV MT9 Manifold / Kit
306380 / 306390	SV NRV MT10 Manifold / Kit

SV NRV MT4 Manifold



SV NRV MT4 Manifold Kit



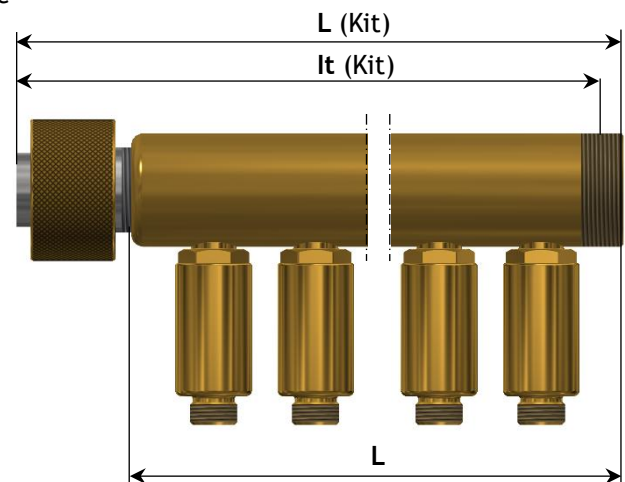
General

SV NRV MT manifold is used with the Selector Valve system, in variants for 2 to 10 cylinders.

Each connection is fitted with a non-return valve (NRV) to ensure one-way flow and prevent back pressure activation of connected discharge valves. The manifold kit contains a manifold and a pipe connector.

Specifications

Temperature	-40 to +70 °C
Pressure [MPa]	
Work:	40 MPa
Proof (burst):	> 120 MPa
Flow way (Ø; area)	max 380mm ² /connection (Ø22mm) min 50mm ² /connection (Ø8mm)
Materials	Brass, Stainless steel, elastomer
Thread connections	
Hose connection:	ISO228 G3/8" (60° seat), male
SV connection #1:	M40×1.5 female/male
Dimensions	
L x D x H:	L×Ø40×103mm - see L in table
it:	Mounted length - see table
Weight:	see table



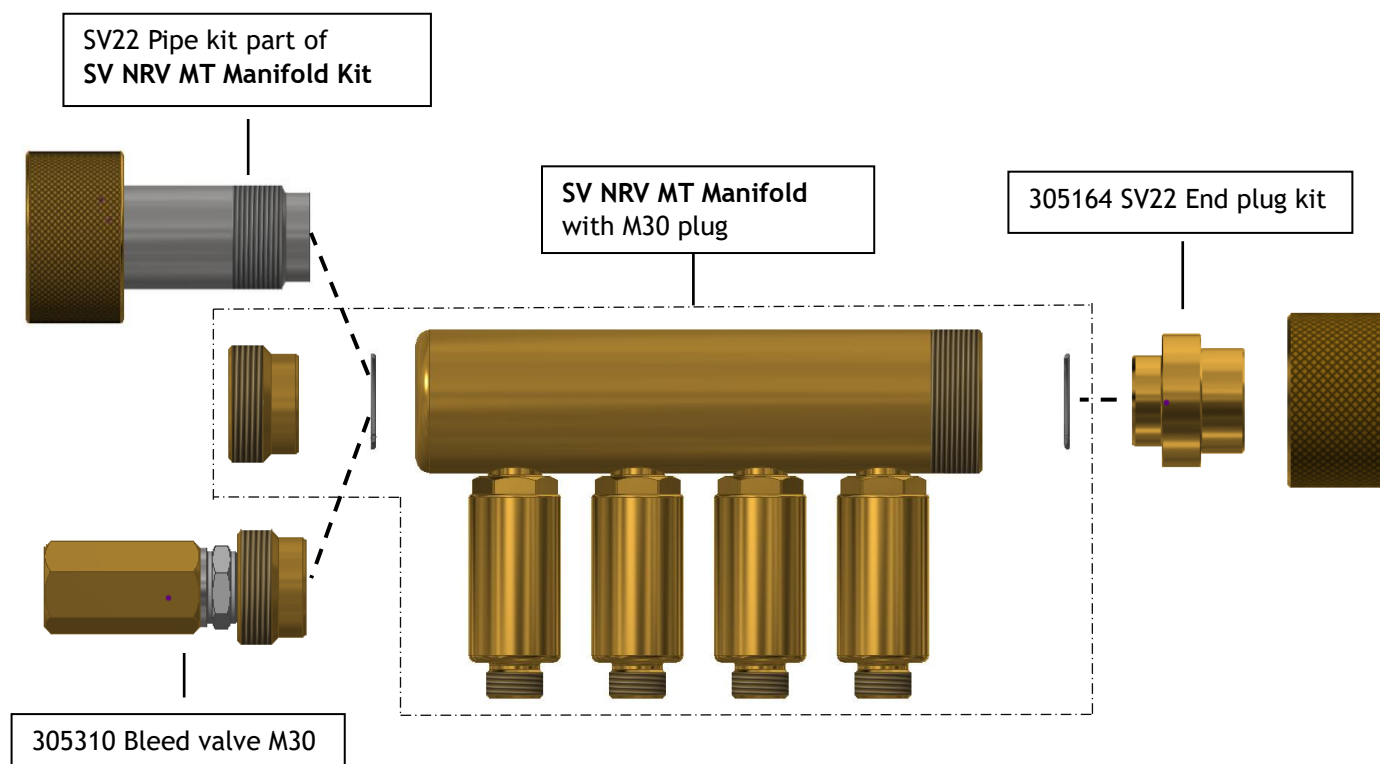
Item number	Item name	Weight	Length	Item number	Item name	Weight	Length	Length it
		kg	mm			kg	mm	mm
306372	SV NRV MT2	1.2	94	306382	SV NRV MT2 kit	1.5	134.5	127.5
306373	SV NRV MT3	1.6	130	306383	SV NRV MT3 kit	2	170.5	163.5
306374	SV NRV MT4	2.1	166	306384	SV NRV MT4 kit	2.5	206.5	199.5
306375	SV NRV MT5	2.6	202	306385	SV NRV MT5 kit	3	242.5	235.5
306376	SV NRV MT6	3.1	238	306386	SV NRV MT6 kit	3.4	278.5	271.5
306377	SV NRV MT7	3.5	274	306387	SV NRV MT7 kit	3.9	314.5	307.5
306378	SV NRV MT8	4	310	306388	SV NRV MT8 kit	4.4	350.5	343.5
306379	SV NRV MT9	4.5	346	306389	SV NRV MT9 kit	4.9	386.5	379.5
306380	SV NRV MT10	5	382	306390	SV NRV MT10 kit	5.3	422.5	415.5

Marking

Manifold: Fire Eater Logo, SV NRV MT##, Serial number, YY
Inert gas, WP 40 MPa, -40 to + 70 °C, Arrow for each connection

Configurations

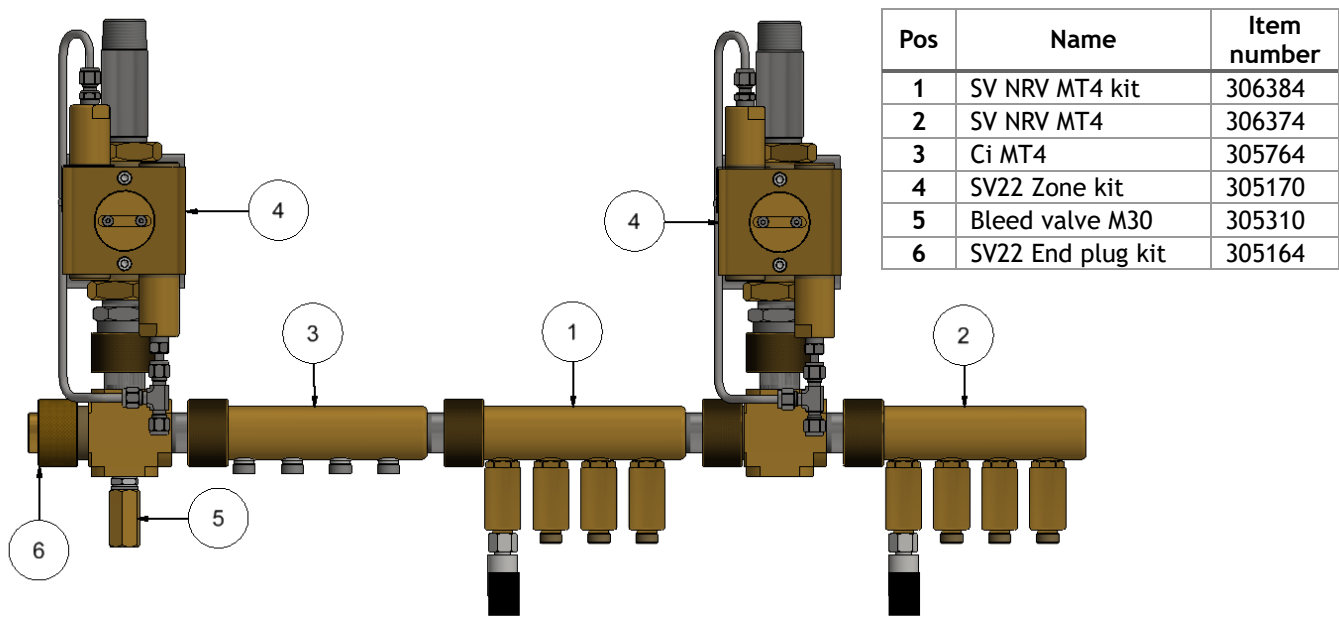
In the SV system, the manifold can be mounted in various positions, requiring different parts to be connected. See the possible configurations below.



Installation

After mounting the Selector Valve to the rail, manually connect the SV NRV MT manifold to the SV22 tee. Ensure that the O-ring is correctly positioned in its groove before tightening the union nut by hand. While additional tightening with a wrench is acceptable to prevent unintentional loosening, it should not be necessary to ensure a secure connection.

Example installation:
Possible configurations of the SV NRV Manifolds and kits in a selector valve system.



Operating

No operations are necessary.

Maintenance

As part of the general service after a system discharge, all non-return valves (NRVs) must be checked for leaks using Fire Eater’s test tool (part number 530534). This tool enables quick and reliable testing of each NRV.

Routine testing

No requirements