



Instrumentation Products

Modular Mounting System



Product Overview

Product Overview

Schneider's Modular Mounting System (MMS) provides substantial advantages by the simplest and most effective means to install Transmitters and Gauges. The MMS series are designed to be compatible with the Shell® MESC specifications for Process Instrumentation.



| MMS Main Components | Features | Options | | | | |
|--|---|---|--|--|--|--|
| Instrument Monoflange Manifolds | The MMS components are designed to be used with Transmitters or Gauges for general Pressure and Differential Pressure Measurements. All components benefit from a Compact Design, reduced installation costs and less potential leak points. Inlet and Vent connections are supplied G 1/4 parallel threaded acc. to DIN 3852 part 2 Suitable for Liquid and Gas Service Connections can be assembled with Tube Fittings Fully self-draining Up to 438 bar (6350 PSI) maximum working pressure Equalize and Vent Valves are equipped with an Anti-Tamper facility Wide choice of Manifold Configurations to suit your application | Special Design to be used with Rosemount[®] Coplanar[™] style Pressure / Differential Pressure Transmitters NACE (sour gas service) Wide range of Exotic Materials on request Special Connections on request Choice of Accessories: Mounting Brackets Steam Tracing Blocks Electrical Heaters Single and Double Vent Purge Blocks Seal Pots Filling Connectors Blind Flanges Heaters Protective Shades and Enclosures Test Boxes Anti-Tamper Key | | | | |

Cross Reference

Cross Reference | Referring to the Global MESC Code

| MESC CODE | DESCRIPTION | VENT | SCHNEIDER P/N | PAGE |
|--|--|---------|---------------|-------|
| MESC 60.98.55.200.1 | Instrument Monoflange 1/2" 150-600 Type G | G 1/4-F | SMA-GLN-SG00 | |
| MESC 60.98.55.210.1 | Instrument Monoflange 1/2" 900-2500 Type G | G 1/4-F | SMA-GHN-SG00 | |
| MESC 60.98.55.220.1 | Instrument Monoflange 1/2" 150-600 Type G | G 1/4-F | SMA-GLG-SG00 | |
| MESC 60.98.55.230.1 | Instrument Monoflange 1/2" 900-2500 Type G | G 1/4-F | SMA-GHG-SG00 | |
| MESC 60.98.55.300.1 | Instrument Monoflange 1/2" 150-600 Type S | G 1/4-F | SMA-SLN-SG00 | 4 – 5 |
| MESC 60.98.55.310.1 | Instrument Monoflange 1/2" 900-2500 Type S | G 1/4-F | SMA-SHN-SG00 | |
| MESC 60.98.55.320.1 | Instrument Monoflange 1/2" 150-600 Type S | G 1/4-F | SMA-SLG-SG00 | |
| MESC 60.98.55.330.1 | Instrument Monoflange 1/2" 900-2500 Type S | G 1/4-F | SMA-SHG-SG00 | |
| MESC 60.98.56.205.1 | | 10 mm * | SBA-AA0-SGS3 | |
| MESC 60.98.56.207.1 | 4 Valve Manifold Type A | 3/8″ * | SBA-AA0-SGS8 | |
| MESC 60.98.56.215.1 | | 10mm * | SBA-BA0-SGS3 | |
| MESC 60.98.56.217.1 | 4 Valve Manifold Type B | 3/8″ * | SBA-BA0-SGS8 | |
| MESC 60.98.56.225.1 | | 10 mm * | SBA-CA0-SGS3 | |
| MESC 60.98.56.227.1 | 2 Valve Manifold Type C | 3/8″ * | SBA-CA0-SGS8 | |
| MESC 60.98.56.235.1 | | 10 mm * | SBA-DA0-SGS3 | |
| MESC 60.98.56.237.1 | 2 Valve Manifold Type D | 3/8″ * | SBA-DA0-SGS8 | 6 – 7 |
| MESC 60.98.56.305.1 | | 10 mm * | SBA-EA0-SGS3 | |
| MESC 60.98.56.325.1 | 2 Valve Manifold Type E | 3/8″ * | SBA-EA0-SGS8 | |
| MESC 60.98.56.315.1 | | 10 mm * | SBA-FA0-SGS3 | |
| MESC 60.98.56.335.1 | 2 Valve Manifold Type F | 3/8″ * | SBA-FA0-SGS8 | |
| MESC 60.98.56.317.1 | | 10 mm * | SBA-GA0-SGS3 | |
| MESC 60.98.56.337.1 | 2 Valve Manifold Type G | 3/8″ * | SBA-GA0-SGSS | |
| MESC 60.98.91.105.1 | Mounting Bracket A1 | 5/0 | SAM-A1 | |
| MESC 60.98.91.110.1 | - | | SAM-A2 | |
| MESC 60.98.91.118.1 | Mounting Bracket A2 | | SAM-B1 | 8 |
| | Mounting Bracket B1 | | SAM-B2 | |
| MESC 60.98.91.120.1 MESC 60.98.70.210.1 | Mounting Bracket B2 | 10 * | SVA-S00-SG03 | |
| | | 10 mm * | | |
| MESC 60.98.70.310.1 | Single Vent Purge Block Type S | 3/8″ * | SVA-S00-SGS8 | 9 |
| MESC 60.98.70.220.1 | Double Vent Purge Block Type D | 10 mm * | SVA-D00-SGS3 | |
| MESC 60.98.70.320.1 | | 3/8″ * | SVA-D00-SGS8 | |
| MESC 60.98.70.510.1 | | 10 mm * | SSB-000-SGS3 | |
| MESC 60.98.70.600.1 | Seal Pot | 1/2″ * | SSB-000-SGS9 | 10 |
| MESC 60.98.70.610.1 | | 3/8″ * | SSB-000-SGS8 | |
| MESC 60.98.70.010.1 | Steam Tracing Block | 10 mm * | SAS-000-SGS3 | |
| MESC 60.98.70.110.1 | | 3/8" * | SAS-000-SGS8 | 11 |
| MESC 60.98.70.050.1 | Electrical Heater | | SAE | |
| MESC 60.98.90.106.1 | Filling Connector 6 mm | | SAF-A00-SPS1 | 12 |
| MESC 60.98.90.107.1 | Filling Connector 1/4" | | SAF-A00-SPS7 | |
| | Blind Flange | | SAG-A00-S000 | 13 |
| | Port Protector | | SAD-G20-S | 14 |
| | Anti-Tamper T-Handle | | SAT | |
| MESC 60.98.91.205.1 | Protective Shade Synthetic | | SAP-PA0 | |
| | Protective Shade SST | | SAP-PS0 | 15 |
| MESC 60.98.91.305.1 | Enclosure Fiberglas | | SAP-EA0 | |
| | Test Box | | SAB | |

Instrument Monoflange SM

Product Description

The SM Instrument Monoflange is an Isolate / Vent Gauge Block for Pressure Gauges or Transmitters using screwed connections. The gauge connection is equipped with a Swivel Gauge Adaptor which enables the easy positioning of the gauge in any direction through 360°. It is suitable for Horizontal or Vertical flange mounting and can be assembled directly to the primary isolation valve.

Rating

Maximum working pressure: 100 bar @ 38°C (LPR 150-600 lbs) 438 bar @ 38°C (HPR 900-2500 lbs)

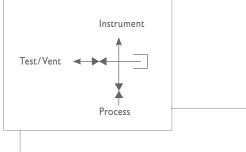
Maximum working temperature: 200°C

Connections

Instrument: Swivel Gauge Adaptor with 1/2 NPT and G1/2 female threads available. It can be supplied as an Integral Syphon type.

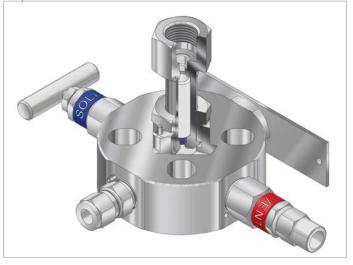
Process: 1/2" flange acc. to ASME B16.5 Available as LPR (150-600 lbs) and HPR (900-2500 lbs) RF smooth finish

Vent: G 1/4 Female Can be equipped with Compression Fittings





Instrument Monoflange Type G



Instrument Monoflange Type S

Standard Monoflanges

| MESC CODE | DESCRIPTION | | VENT | SCHNEIDER P/N |
|---------------------|---------------------------------------|--------|---------|---------------|
| MESC 60.98.55.200.1 | Instrument Man - flam 1/2// 150 / 00 | Turne | G 1/4-F | SMA-GLN-SG00 |
| MESC 60.98.55.200.1 | Instrument Monoflange 1/2″ 150 – 600 | Type G | G 1/4-F | SMA-GLIN-SGUU |
| MESC 60.98.55.210.1 | Instrument Monoflange 1/2″ 900 – 2500 | Type G | G 1/4-F | SMA-GHN-SG00 |
| MESC 60.98.55.220.1 | Instrument Monoflange 1/2" 150 – 600 | Type G | G 1/4-F | SMA-GLG-SG00 |
| MESC 60.98.55.230.1 | Instrument Monoflange 1/2" 900 – 2500 | Type G | G 1/4-F | SMA-GHG-SG00 |
| MESC 60.98.55.300.1 | Instrument Monoflange 1/2" 150 – 600 | Type S | G 1/4-F | SMA-SLN-SG00 |
| MESC 60.98.55.310.1 | Instrument Monoflange 1/2″ 900 – 2500 | Type S | G 1/4-F | SMA-SHN-SG00 |
| MESC 60.98.55.320.1 | Instrument Monoflange 1/2" 150 – 600 | Type S | G 1/4-F | SMA-SLG-SG00 |
| MESC 60.98.55.330.1 | Instrument Monoflange 1/2" 900 – 2500 | Type S | G 1/4-F | SMA-SHG-SG00 |

Ordering Information | Referring to Instrument Monoflange SM

| | | 12 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 1 |
|--------|---|----|---|---|---|---|---|---|---|----|----|----|----|---|
| | | SM | Α | - | G | L | G | - | S | G | 0 | 0 | | |
| | | | | | | | | | | | | | | |
| | INSTRUMENT MONOFLANGE | | | | | | | | | | | | | |
| | PACKING | | | | | | | | | | | | | |
| A | PTFE | | | | | | | | | | | | | |
| В | Graphite | | | | | | | | | | | | | |
| | ТҮРЕ | | | | | | | | | | | | | |
| G | Swivel Gauge Adaptor | | | | | | | | | | | | | |
| S | Swivel Gauge Adaptor with Integral Syphon | | | | | | | | | | | | | |
| | PRESSURE RATING | | | | | | | | | | | | | |
| L | LPR (150, 300, 600 lbs) | | | | | | | | | | | | | |
| Н | HPR (900, 1500, 2500 lbs) | | | | | | | | | | | | | |
| | THREAD | | | | | | | | | | | | | |
| 3 | G 1/2 Female | | | | | | | | | | | | | |
| ۷ | 1/2 NPT Female | | | | | | | | | | | | | |
| | MATERIAL | | | | | | | | | | | | | |
| S | 316 SST | | | | | | | | | | | | | |
| Н | Alloy C-276 | | | | | | | | | | | | | |
| М | Alloy 400 | | | | | | | | | | | | | |
| | VENT CONNECTION | | | | | | | | | | | | | |
| G | G 1/4 Female | | | | | | | | | | | | | |
| В | 1/4NPT Female | | | | | | | | | | | | | |
| | COMPRESSION FITTING | | | | | | | | | | | | | |
| 0 | Without Compression Fitting | | | | | | | | | | | | | |
| A | A-Lok® | | | | | | | | | | | | | |
| G S | Gyrolok [®] Swagelok [®] | | | | | | | | | | | | | |
| • | on ageion | | | | | | | | | | | | | |
| _ | SIZE OF COMPRESSION FITTING | | | | | | | | | | | | | |
| 0 3 | Without Compression Fitting 10mm | | | | | | | | | | | | | |
| 3 4 | 12 mm | | | | | | | | | | | | | |
| 8 | 3/8″ | | | | | | | | | | | | | |
| 9 | 1/2" | | | | | | | | | | | | | |
| | OPTIONS (if applicable) | | | | | | | | | | | | | |
| В | Oxygen Service | | | | | | | | | | | | | |
| N | NACE/Sour Gas Service | | | | | | | | | | | | | |
| Т | Anti Tamper Key | | | | | | | | | | | | | |
| | ADDITIONAL OPTION (if applicable) | | | | | | | | | | | | | |
| 0 | No additional Option | | | | | | | | | | | | | |

Manifold SB

Product Description

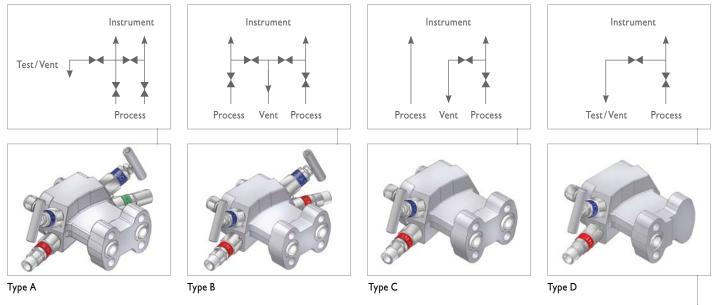
Rating

The SB Manifold can be assembled directly to a standard Mounting Plate, eliminating the need for extra Mounting Accessories and reducing pipe work on site. The SB Manifolds can also be supplied with a wide Choice of Accessories.

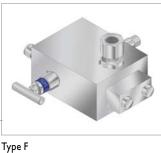
Maximum working pressure: 413 bar @ 38°C

Maximum working temperature:

- 200°C for PTFE packing
- 550°C for graphite packing











Different Types for Different Applications

| Туре | MESC CODE | DESCRIPTION | VENT | SCHNEIDER P/N |
|------|---------------------|--|---------|---------------|
| • | MESC 60.98.56.205.1 | 4 Valve Manifold | 10 mm * | SBA-AA0-SGS3 |
| A | MESC 60.98.56.207.1 | For general applications | 3/8″ * | SBA-AA0-SGS8 |
| в | MESC 60.98.56.215.1 | 4 Valve Manifold | 10 mm * | SBA-BA0-SGS3 |
| В | MESC 60.98.56.217.1 | For applications where contamination of process steam is not permitted | 3/8″ * | SBA-BA0-SGS8 |
| с | MESC 60.98.56.225.1 | 2 Valve Manifold | 10mm * | SBA-CA0-SGS3 |
| C | MESC 60.98.56.227.1 | For Pressure applications and level measurements on atmospheric tanks | 3/8" * | SBA-CA0-SGS8 |
| D | MESC 60.98.56.235.1 | 2 Valve Manifold | 10mm * | SBA-DA0-SGS3 |
| D | MESC 60.98.56.237.1 | For pressure transmitters of the differential body design | 3/8" * | SBA-DA0-SGS8 |
| E | MESC 60.98.56.305.1 | 2 Valve Manifold | 10mm * | SBA-EA0-SGS3 |
| E | MESC 60.98.56.325.1 | For pressure transmitters using screwed connection | 3/8″ * | SBA-EA0-SGS8 |
| - | MESC 60.98.56.315.1 | 2 Valve Manifold | 10mm * | SBA-FA0-SGS3 |
| r. | MESC 60.98.56.335.1 | For pressure transmitters using screwed connection | 3/8″ * | SBA-FA0-SGS8 |
| G | MESC 60.98.56.317.1 | 2 Valve Manifold | 10 mm * | SBA-GA0-SGS3 |
| G | MESC 60.98.56.337.1 | For pressure transmitters using screwed connection | 3/8″ * | SBA-GA0-SGS8 |

Ordering Information | Manifold SB

| | | 12 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 1 |
|---|---|----|---|---|---|---|---|---|---|----|----|----|----|---|
| | | SB | Α | - | Α | Α | 0 | - | S | G | S | 3 | | |
| | | | | | | | | | | | | | | |
| | MANIFOLD | | | | | | | | | | | | | |
| | PACKING | | | | | | | | | | | | | |
| ۸ | PTFE | | | | | | | | | | | | | |
| 3 | Graphite (only if field $6 = C$) | | | | | | | | | | | | | |
| | ТҮРЕ | | | | | | | | | | | | | |
| | Double Isolate/Equalize / Vent (General) | | | | | | | | | | | | | |
| 5 | Double Isolate/Vent (Anti-Contamination) | | | | | | | | | | | | | |
| 2 | Single Isolate/Vent (DP) | | | | | | | | | | | | | |
| > | Single Isolate/Vent (Pressure, DP design) | | | | | | | | | | | | | |
| • | Single Isolate/Vent (1/2 NPT Male) | | | | | | | | | | | | | |
| - | Single Isolate/Vent (1/2 NPT Female) | | | | | | | | | | | | | |
| 3 | Single Isolate/Vent (G 1/2 Female) | | | | | | | | | | | | | |
| | TRANSMITTER CONNECTION | | | | | | | | | | | | | |
| | DIN 19213 part 2 rev. 1980 or threaded | | | | | | | | | | | | | |
| 5 | Integral for Rosemount 3051 [®] | | | | | | | | | | | | | |
| 2 | DIN EN/IEC 61518 - Type A | | | | | | | | | | | | | |
| | MATERIAL | | | | | | | | | | | | | |
| | 316 SST | | | | | | | | | | | | | |
| ł | Alloy C-276 | | | | | | | | | | | | | |
| 1 | Alloy 400 | | | | | | | | | | | | | |
| | PROCESS / VENT CONNECTION | | | | | | | | | | | | | |
| 3 | G 1/4 Female / G 1/4 Female | | | | | | | | | | | | | |
| 3 | 1/2NPT Female / 1/4NPT Female | | | | | | | | | | | | | |
| 2 | 1/4NPT Female / 1/4NPT Female | | | | | | | | | | | | | |
| | COMPRESSION FITTING | | | | | | | | | | | | | |
|) | Without Compression Fitting | | | | | | | | | | | | | |
| ۸ | A-Lok® | | | | | | | | | | | | | |
| 3 | Gyrolok® | | | | | | | | | | | | | |
| S | Swagelok [®] | | | | | | | | | | | | | |
| | SIZE OF COMPRESSION FITTING | | | | | | | | | | | | | |
|) | Without Compression Fitting | | | | | | | | | | | | | |
| | 10 mm | | | | | | | | | | | | | |
| ŀ | 12 mm | | | | | | | | | | | | | |
| 3 | 3/8″ | | | | | | | | | | | | | |
|) | 1/2″ | | | | | | | | | | | | | |
| | OPTIONS (if applicable) | | | | | | | | | | | | | |
| 3 | Oxygen Service | | | | | | | | | | | | | |
| 4 | NACE/Sour Gas Service | | | | | | | | | | | | | |
| Г | Anti Tamper Key | | | | | | | | | | | | | |
| | ADDITIONAL OPTION (if applicable) | | | | | | | | | | | | | |
|) | No additional Option | | | | | | | | | | | | | |

Mounting Bracket SAM

Product Description

The SAM Mounting Brackets are designed to ensure a Simple and Quick Installation of Manifolds with other Accessories including the Nameplate.

There are four different types of Mounting Brackets available. The brackets are made of 316 SST and are designed to be assembled to a 2" Pipestand.

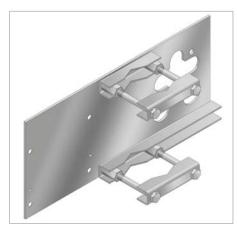
Type A is used, if a Protective Shade is required.





SAM-A1

SAM-A2



SAM-B1



SAM-B2

Ordering Code

| MESC CODE | DESCRIPTION | SCHNEIDER P/N |
|---------------------|---------------------|---------------|
| MESC 60.98.91.105.1 | Mounting Bracket A1 | SAM-A1 |
| MESC 60.98.91.110.1 | Mounting Bracket A2 | SAM-A2 |
| MESC 60.98.91.118.1 | Mounting Bracket B1 | SAM-B1 |
| MESC 60.98.91.120.1 | Mounting Bracket B2 | SAM-B2 |

Purge Block SVA

Product Description

Rating

The SVA Purge Blocks have two main applications:

- Purge protection of the instrument using a purge medium to keep the process away from the instrument by maintaining a higher pressure than the process medium.
- To provide a sensing medium for differential pressure instruments on level indication services.

There are two Vent Purge Blocks available, the Double Vent Purge Block SVA-D for differential pressure application and the Single Vent Purge Block SVA-S for static pressure applications.

0

Maximum working pressure: 413 bar @ $38^{\circ}C$

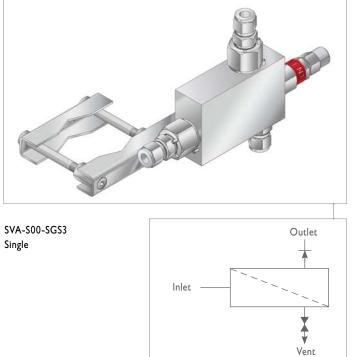
Maximum working temperature:

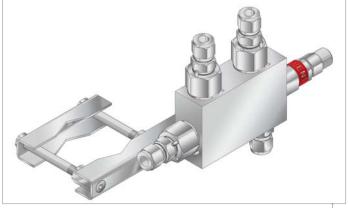
- 200°C for PTFE packing
- 550°C for graphite packing

Connections

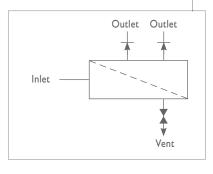
Outlets: Are equipped with Soft-Seated Check Valves

Inlet: Is provided with an Integral Filter





SVA-D00-SGS3 Double



Ordering Code

| MESC CODE | DESCRIPTION | VENT | SCHNEIDER P/N | Ordering Code, Field 3 & 9 – 14 |
|--|----------------------------------|-------------------|------------------------------|---------------------------------|
| MESC 60.98.70.210.1 MESC 60.98.70.310.1 | Single Vent Purge Block / Type S | 10 mm * 3/8″ * | SVA-S00-SGS3 SVA-S00-SGS8 | |
| MESC 60.98.70.220.1 MESC 60.98.70.320.1 | Double Vent Purge Block / Type D | 10 mm * 3/8″ * | SVA-D00-SGS3 SVA-D00-SGS8 | See page 7 |

Seal Pot SSB

| Product Description | Placement | |
|--|--|------|
| The Seal Pot SSB is used for systems requiring an open seal such as high temperature, toxic or | Seal Pot is located below the Orifice plate: A Seal Fluid with higher specific gravity than the | 8 |
| corrosive service. The Seal Pot is used with an Immiscible Seal Fluid. The difference in density to | Process Medium is to be used. | VEN1 |
| the process media will provide a barrier in front | Seal Pot is located above the Orifice plate: | |
| of the Manifold and Instrument. | A Seal Fluid with lower specific gravity is to | |
| | be used. | |
| Rating | Volume | |
| Maximum working pressure: 413 bar @ 38°C | Approx. 50 cm ³ | |
| Maximum working temperature: 450°C | | |
| Ordering Code | | |

| MESC CODE | DESCRIPTION | VENT | SCHNEIDER P/N |
|---------------------|-------------|---------|---------------|
| MESC 60.98.70.510.1 | | 10 mm * | SSB-000-SGS3 |
| MESC 60.98.70.600.1 | Seal Pot | 1/2″ * | SSB-000-SGS9 |
| MESC 60.98.70.610.1 | | 3/8″ * | SSB-000-SGS8 |

* Compression Fitting

Ordering Information | Seal Pot SSB & Steam Heating SAS

| | | 1 | 2 | 3 | | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 1 |
|---|--------------------------------|------|---|---|---|-------|---|---|---|---|---|----|----|----|----|---|
| | | S | S | В | - | - | 0 | 0 | 0 | - | S | G | S | 3 | | |
| | | S | А | S | - | | | | | | | | | | | |
| | MATERIAL | | | | | | | | | | | | | | | |
| S | 316 SST | | | | | | | | | | | | | | | |
| н | Alloy C-276 | | | | | | | | | | | | | | | |
| М | Alloy 400 | | | | | | | | | | | | | | | |
| | PROCESS / VENT CONNECTIO | N | | | | | | | | | | | | | | |
| G | G 1/4 Female / G 1/4 Female | | | | | | | | | | | | | | | |
| С | 1/4NPT Female / 1/4NPT Female | | | | | | | | | | | | | | | |
| | COMPRESSION FITTING | | | | | | | | | | | | | | | |
| 0 | Without Compression Fitting | | | | | | | | | | | | | | | |
| A | A-Lok® | | | | | | | | | | | | | | | |
| G | Gyrolok [®] | | | | | | | | | | | | | | | |
| S | Swagelok [®] | | | | | | | | | | | | | | | |
| | SIZE OF COMPRESSION FITTI | NG | | | | | | | | | | | | | | |
| 0 | Without Compression Fitting | | | | | | | | | | | | | | | |
| 3 | 10 mm | | | | | | | | | | | | | | | |
| 4 | 12 mm | | | | | | | | | | | | | | | |
| 8 | 3/8″ | | | | | | | | | | | | | | | |
| 9 | 1/2″ | | | | | | | | | | | | | | | |
| | OPTIONS (if applicable) | | | | | | | | | | | | | | | |
| В | Oxygen Service | | | | | | | | | | | | | | | |
| Ν | NACE / Sour Gas Service | | | | | | | | | | | | | | | |
| Т | Anti Tamper Key | | | | | | | | | | | | | | | |
| | ADDITIONAL OPTION (if applica | ble) | | | | | | | | | | | | | | |
| 0 | No additional Option | | | | | | | | | | | | | | | |

Heating SAS & SAE

Product Description

The SAS Steam Tracing Block & SAE Electrical Heating are used to provide Frost Protection and to maintain Process Temperatures given that the heaters are mounted directly to the Manifold which ensures efficient Heat Transfer to the Manifold and Transmitter Body.

Steam Heating SAS

Steam Heating is provided through a separate stainless steel Steam Block which is mounted directly to the Manifold with one stainless steel M8 Mounting Bolt.

The Connection to the Steam Line is provided by two G 1/4 Female Ports equipped with Tube Fittings.



Electrical Heating SAE

Conduction Heating with self-limiting output characteristic, supplied with cable length of 1m. Is directly mounted to the Manifold with one stainless steel M8 Mounting Bolt.

Material: Aluminium (sea water resistant) Size: 90 x 40 x 30mm Voltage: 110V – 265V Rating: 50W Type of Protection: IP68, NEMA 4X Explosion Proof: II 2 GD EEx d IIC T4 Certificate No. (PTB): 02 ATEX 1116 X



Ordering Code

| MESC CODE | DESCRIPTION | VENT | SCHNEIDER P/N | Ordering Code, Field 4 – 14 |
|---------------------|---------------------|--------|---------------|-----------------------------|
| MESC 60.98.70.010.1 | Steam Tracing Block | 10mm * | SAS-000-SGS3 | See page 10 |
| MESC 60.98.70.110.1 | Steam Tracing Block | 3/8″ * | SAS-000-SGS8 | See page 10 |
| MESC 60.98.70.050.1 | Electrical Heater | | SAE | |

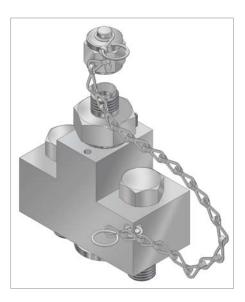
Filling Connector SAF

Product Description

Rating

The SAF Filling Connector is used if purge protection is required but no purge block is installed. The Filling Connector allows the system to be filled with Purge Medium through the instrument cavities. The Filling Connector has an integral Check Valve and is available with different connections. Maximum working pressure: 413 bar @ $38^{\circ}C$

Maximum working temperature: 200°C



Ordering Code

| MESC CODE | DESCRIPTION | SCHNEIDER P/N |
|---------------------|------------------------|---------------|
| MESC 60.98.90.106.1 | Filling Connector 6 mm | SAF-A00-SPS1 |
| MESC 60.98.90.107.1 | Filling Connector 1/4" | SAF-A00-SPS7 |

Ordering Information | Filling Connector SAF

| | • | | | | | | | | | | | | | |
|---|-----------------------------------|---|-----|---|---|---|---|---|---|----|----|----|----|----|
| | | 1 | 2 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| | | S | A F | - | Α | 0 | 0 | - | S | Р | S | 1 | | |
| | | | | | | | | | | | | | | |
| | FILLING CONNECTOR | | | | | | | | | | | | | |
| | MATERIAL SEALING WASHER | | | | | | | | | | | | | |
| А | PTFE | | | | | | | | | | | | | |
| В | Graphite | | | | | | | | | | | | | |
| | MATERIAL | | | | | | | | | | | | | |
| S | 316 SST | | | | | | | | | | | | | |
| н | Alloy C-276 | | | | | | | | | | | | | |
| М | Alloy 400 | | | | | | | | | | | | | |
| | CONNECTION | | | | | | | | | | | | | |
| Ρ | Cap with Chain | | | | | | | | | | | | | |
| | CONNECTION TYPE | | | | | | | | | | | | | |
| S | Swagelok [®] | | | | | | | | | | | | | |
| | SIZE OF CONNECTION | | | | | | | | | | | | | |
| 1 | 6 mm | | | | | | | | | | | | | |
| 7 | 1/4″ | | | | | | | | | | | | | |
| | OPTIONS (if applicable) | | | | | | | | | | | | | |
| В | Oxygen Service | | | | | | | | | | | | | |
| Ν | NACE / Sour Gas Service | | | | | | | | | | | | | |
| | ADDITIONAL OPTION (if applicable) | | | | | | | | | | | | | |
| 0 | No additional Option | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |

Product Description

The Blind Flange enables standard instrument flange connections to be blanked off as required.



Ordering Information | Blind Flange SAG

| | BLIND FLANGE | 5 | AG | | A | 0 | 0 | _ | S | 0 | 0 | 0 | |
|-----|-----------------------------------|---|----|--|---|---|---|---|---|---|---|---|--|
| | BLIND FLANGE | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| ſ | MATERIAL SEALING WASHER | | | | | | | | | | | | |
| A I | PTFE | | | | | | | | | | | | |
| в | Graphite | | | | | | | | | | | | |
|) | MATERIAL | | | | | | | | | | | | |
| S S | 316 SST | | | | | | | | | | | | |
| н | Alloy C-276 | | | | | | | | | | | | |
| M | Alloy 400 | | | | | | | | | | | | |
| , | OPTIONS (if applicable) | | | | | | | | | | | | |
| | Oxygen Service | | | | | | | | | | | | |
| | NACE / Sour Gas Service | | | | | | | | | | | | |
| | ADDITIONAL OPTION (if applicable) | | | | | | | | | | | | |
| | No additional Option | | | | | | | | | | | | |

Port Protector SAD + Anti-Tamper T-Handle SAT

Product Description

The Port Protector prevents the ingress of Bugs and Dirt.



Ordering Information | Port Protector SAD

| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|----------------|---|---|---|---|---|---|---|---|---|
| | | S | A | D | - | G | 2 | 0 | - | S |
| | | | | | | | | | | |
| | PORT PROTECTOR | | | | | | | | | |
| | THREAD | | | | | | | | | |
| G | G | | | | | | | | | |
| Ν | NPT | | | | | | | | | |
| | THREAD SIZE | | | | | | | | | |
| 2 | 1/4 | | | | | | | | | |
| 4 | 1/2 | | | | | | | | | |
| | | | | | | | | | | |
| | MATERIAL | | | | | | | | | |
| S | 316 SST | | | | | | | | | |
| н | Alloy C-276 | | | | | | | | | |
| М | Alloy 400 | | | | | | | | | |

Product Description

Removable T-Handle to operate the Anti-Tamper Vent Valves.

Ordering Code

SCHNEIDER P/N SAT



Protective Shade & Enclosure SAP + Test Box SAB

Product Description

The Protective Shade SAP-P was designed to Protect the Instrument from Heavy Rain and Intensive Sunlight.

The Enclosure provides a Complete Environmental Protection of the Manifold and the Instrument Body. This is mainly used if the System is exposed to Low Temperatures.

Ordering Code

| MESC CODE | DESCRIPTION | SCHNEIDER P/N |
|---------------------|------------------------------------|---------------|
| MESC 60.98.91.205.1 | Protective Shade G.R.P. antistatic | SAP-PA0 |
| | Protective Shade SST | SAP-PS0 |
| MESC 60.98.91.305.1 | Enclosure G.R.P. antistatic | SAP-EA0 |



SAP-PA0 Protective Shade



SAP-PS0 Protective Shade



SAP-EA0 Enclosure

Product Description

The Test Box SAB is mounted to the back of the standard Mounting Plate, providing transmitter signal and on-site test connection.

Ordering Code

| SCHNEIDER P/N |
|---------------|
| SAB |





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