Ralston Instruments

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Part No.

QSCM-1MSA-20-2

QSCM manifold, 1/8" MNPT, gauge adapter, 20ft, 2ft hoses, (2) 1/4" MNPT process conn., nylon bag

Attach a gauge or pressure calibrator directly to the calibration manifold and easily perform static pressure calibrations (pressure gauge not included)

QSCM-1MSA-20-2

Included Items

- Manifold - QSCM Stainless Steel Calibration Manifold (QSCM)
- Reference Connection - 1/8" male NPT x female Quick-test, no check-valve, S.S. (QTHA-1MSA)
- Process Connection 1 - 1/4" male NPT x male Quick-test, no check-valve, S.S. (QTHA-2MS0)
- Process Connection 2 - 1/4" male NPT x male Quick-test, no check-valve, S.S. (QTHA-2MS0)
- Hose 1 - Quick-test 6900 psi hose, S.S. hose ends, 20 ft (6.10 m) long (QSQS-HOS-20ft)
- Hose 2 - Quick-test 6900 psi hose, S.S. hose ends, 2 ft (61 cm) long (QSQS-HOS-2ft)
- Bag - Zippered bag to hold hose and adapters, nylon (SM-0027)

Specs/Attributes

Hose 1	Quick-test Hose, Stainless Steel ends, 20ft / 6.1m long
Hose 2	Quick-test Hose, Stainless Steel ends, 2ft / 0.6m long
Pressure Reference	None
Process Connection	1/4" Male NPT
Reference Connection	1/8" Male NPT
Country of origin	USA
Max Pressure	5000 PSI / 350 bar / 35 MPa
Materials	Anodized Aluminum, Stainless Steel
Seal Materials	Buna-N, Delrin, Teflon
Min Operating Temperature	0 °F / -18 °C
Max Operating Temperature	130 °F / 54 °C
Weight	2.06 lbs / 935 grams
Dimensions	H: 3.78 in (9.6 cm) x W: 5.16 in (13.11 cm) x D: 2.63 in (6.68 cm)

Manifold QSCM

Inlet Port	Male Quick-test
Media Compatibility	Air, Inert Gas, Natural Gas
Outlet Port	Male Quick-test
Seal Materials	Buna-N, Delrin, Teflon
Burst Pressure	20000 PSI / 1380 bar / 140 MPa
Materials	Anodized Aluminum, Stainless Steel
Max Pressure	5000 PSI / 350 bar / 35 MPa
Max Vacuum	0.00 InHg / 0.0 kPa
Min Operating Temperature	0 °F / -18 °C
Max Operating Temperature	130 °F / 54 °C
Fine Adjustment Resolution	0.10 PSI / 0.69 mbar / 0.00 kPa
Country of origin	USA
Harmonized Code	9032.81.0060
Weight	2.20 lbs / 1000 grams
Dimensions	H: 3.8 in (9.65 cm) x W: 5.1 in (12.95 cm) x D: 2.3 in (5.84 cm)

Reference Connection QTHA-1MSA

Country of origin	USA
Has Check Valve	No
Materials	Stainless Steel
Max Operating Temperature	225 °F / 105 °C
Max Pressure	5000 PSI / 350 bar / 35 MPa
Max Vacuum	0.00 InHg / 0.0 kPa
Wrench Size	9/16 In 15 mm
Connector End 1	1/8" Male NPT (ASME B1.20.1)
Connector End 2	Female Quick-test
Weight	1.25 oz / 35 grams
Dimensions	H: 1.55 in (3.94 cm) x W: 0.7 in (1.78 cm) x D: 0.7 in (1.78 cm)

Process Connection 1 QTHA-2MS0

Country of origin	USA
Has Check Valve	No
Materials	Stainless Steel
Max Operating Temperature	225 °F / 105 °C
Max Pressure	5000 PSI / 350 bar / 35 MPa
Max Vacuum	0.00 InHg / 0.0 kPa

Process Connection 1 QTHA-2MS0

Min Operating Temperature	0 °F / -18 °C
Seal Materials	Buna-N
Wrench Size	9/16 In 15 mm
Connector End 1	1/4" Male NPT (ASME B1.20.1)
Connector End 2	Male Quick-test
Weight	1.01 oz / 29 grams
Dimensions	H: 1.29 in (3.28 cm) x W: 0.56 in (1.42 cm) x D: 0.56 in (1.42 cm)

Process Connection 2 QTHA-2MS0

Country of origin	USA
Has Check Valve	No
Materials	Stainless Steel
Max Operating Temperature	225 °F / 105 °C
Max Pressure	5000 PSI / 350 bar / 35 MPa
Max Vacuum	0.00 InHg / 0.0 kPa
Min Operating Temperature	0 °F / -18 °C
Seal Materials	Buna-N
Wrench Size	9/16 In 15 mm
Connector End 1	1/4" Male NPT (ASME B1.20.1)
Connector End 2	Male Quick-test
Weight	1.01 oz / 29 grams
Dimensions	H: 1.29 in (3.28 cm) x W: 0.56 in (1.42 cm) x D: 0.56 in (1.42 cm)

Hose 1 QSQS-HOS-20ft

Burst Pressure	27000 PSI / 1860 bar / 185 MPa
Color	Silver
Country of origin	USA
Fluid Media	Air,Inert Gas,Natural Gas,Petroleum Based Oil,Water
Hose Length	20 ft / 6.10 m
Inner Diameter	0.08 In / 3.00 mm
Length	20 ft / 7.00 m
Materials	Stainless Steel
Max Operating Temperature	140 °F / 60 °C
Max Pressure	6900 PSI / 475 bar / 48 MPa
Max Vacuum	-30.00 InHg / -101.6 kPa
Media Compatibility	Air, Inert Gas, Natural Gas, Petroleum Based Oil, Water

Hose 1 QSQS-HOS-20ft

Min Operating Temperature	-40 °F / -40 °C
Minimum Bend Radius	1.00 In / 26 mm
Outer Diameter	0.20 In / 6.00 mm
Type	QT
Weight	5.41 oz / 155 grams

Hose 2 QSQS-HOS-2ft

Burst Pressure	27000 PSI / 1860 bar / 185 MPa
Color	Silver
Country of origin	USA
Fluid Media	Air,Inert Gas,Natural Gas,Petroleum Based Oil,Water
Hose Length	2ft / 0.60 m
Inner Diameter	0.08 In / 3.00 mm
Length	2 ft / 61 cm
Materials	Stainless Steel
Max Operating Temperature	140 °F / 60 °C
Max Pressure	6900 PSI / 475 bar / 48 MPa
Max Vacuum	-30.00 InHg / -101.6 kPa
Media Compatibility	Air, Inert Gas, Natural Gas, Petroleum Based Oil, Water
Min Operating Temperature	-40 °F / -40 °C
Minimum Bend Radius	1.00 In / 26 mm
Outer Diameter	0.20 In / 6.00 mm
Type	QT
Weight	2.23 oz / 63 grams

Bag SM-0027

Materials	Zippered Nylon
Country of origin	USA
Weight	3 oz / 85 grams
Dimensions	H: 10 in (25.4 cm) x W: 2 in (5.08 cm) x D: 9 in (22.86 cm)