



MUSTANG

**CONE
STRAINERS**

DATA SHEET NO.: 13706-MUS-PIP-DS-0040

0	6/5/2009	Issued for Purchase	JD	SL
A	5/20/2009	Issued for Inquiry	JD	SL
REV.	DATE	DOCUMENT STATUS	ORIG.	CHK

SP ITEM NO. SP-40

DESCRIPTION:

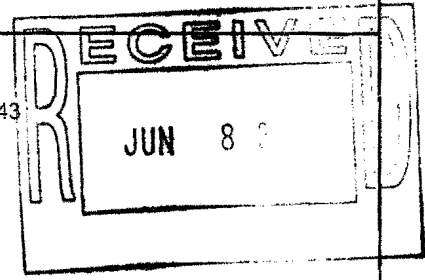
TRUNCATED CONE STRAINERS,
PERMANENT INSTALLATION,
STAINLESS STEEL FRAMED, INSTALLED
BETWEEN ASME CLASS 150 FLANGES

P&ID: P-4079-01

Line No. 16"-RG-A01A-14043

Line Class: A01A

Insulation: 3"



SERVICE: Refrigerant Compressor 1st Stage Suction

PHYSICAL SPECIFICATIONS

Nominal Size: 16" STD wall

Pressure Rating: ASME Class 150

End Connections: N/A

Flange Ring: 1/2" Serrated Finish per ASME B16.5

Strainer Material: 10 gauge type 304 SS Min.

E to E Dimensions: 32"

Applicable Code: ASME B31.3

Test Pressures: N/A

NDE: MFG STD

Bolting: N/A

Gasket: N/A

Total Open Area of Screen: 200% of the pipe cross sectional area

Size of Perforations / Wire Mesh(if req'd): 5/32" diameter
staggered holes at 0.235" centers

Painting: None

Installation: Flow toward the cone

SERVICE CONDITIONS

Fluid / Service: Freon - Gas

Operating Pressure: 2.6 psig

Design Pressure: 250 psig

Operating Temperature: -5.5 °F

Design Temperature: -20/150 °F

Operating Flowrate: 7.6 MMSCFD

Design Flowrate: 8.43 MMSCFD

Density 0.37 lb/ft³

Viscosity .0..93 cP

Max. Press. Drop: 1 psi

Allowable Pressure Drop: 0.5 psi

Collapsing Pressure 25 psi.

Notes:

1. 7" long handle.
2. A temporary 40 mesh and 0.01 inch diameter wire type 304 SS overlay screen on the outside for startup.
3. Aiken Type R



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DATA SHEET NO.: 13706-MUS-PIP-DS-0041

REV.	DATE	DOCUMENT STATUS	ORIG.	CHK
0	6/5/2009	Issued for Purchase	JD	SL
A	5/20/2009	Issued for Inquiry	JD	SL

SP ITEM NO. SP-41

DESCRIPTION:

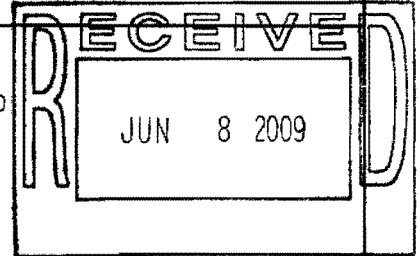
**TRUNCATED CONE STRAINERS,
PERMANENT INSTALLATION,
STAINLESS STEEL FRAMED, INSTALLED
BETWEEN ASME CLASS 150 FLANGES**

P&ID: P-4079-01

Line No. 24"-RG-A01A-14050

Line Class: A01A

Insulation: 2.5"



SERVICE: Refrigerant Compressor 2nd Stage Suction

PHYSICAL SPECIFICATIONS

Nominal Size: For 24" STD wall

Pressure Rating: ASME Class 150

End Connections: N/A

Flange Ring: 3/4" Serrated Finish per ASME B16.5

Strainer Material: 10 gauge type 304 SS

E to E Dimensions: 52"

Applicable Code: ASME B31.3

Test Pressures: N/A

NDE: MFG STD

Bolting: N/A

Gasket: N/A

Total Open Area of Screen: 200% of the pipe cross sectional area

Size of Perforations / Wire Mesh(if req'd): 5/32" diameter
staggered holes at 0.235" centers

Painting: None

Installation: Flow toward the cone

SERVICE CONDITIONS

Fluid / Service: Freon - Gas

Operating Pressure: 13.5 psig

Design Pressure: 250 psig

Operating Temperature: 16.6 °F

Design Temperature: -20/150 °F

Operating Flowrate: 29.98 MMSCFD

Design Flowrate: 32.98 MMSCFD

Density 0.595 lb/ft³

Viscosity 0.0099 cP

Max. Press. Drop: 1 psi

Allowable Pressure Drop: 0.5 psi

Collapsing Pressure 35 psi.

Notes:

1. 7" long handle.
2. A temporary 40 mesh and 0.01 inch diameter wire type 304 SS overlay screen on the outside for startup.
3. Aiken Type R



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DATA SHEET NO.: 13706-MUS-PIP-DS-0039

REV.	DATE	DOCUMENT STATUS	ORIG.	CHK
0	6/5/2009	Issued for Purchase	JD	SL
A	5/20/2009	Issued for Inquiry	JD	SL

SP ITEM NO. SP-39

DESCRIPTION:

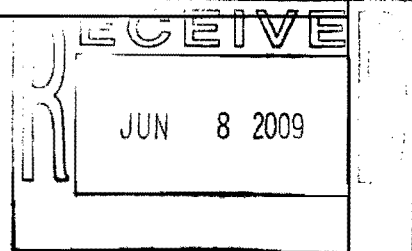
TRUNCATED CONE STRAINERS,
PERMANENT INSTALLATION,
STAINLESS STEEL FRAMED, INSTALLED
BETWEEN ASME CLASS 150 FLANGES

P&ID: P-4079-01

Line No. 12"-RG-A01A-14057

Line Class: A01A

Insulation: 2.5"



SERVICE: Refrigerant Compressor 3rd Stage Suction

PHYSICAL SPECIFICATIONS

Nominal Size: 12" STD wall

Pressure Rating: ASME Class 150

End Connections: N/A

Flange Ring: 3/8" Serrated Finish per ASME B16.5

Strainer Material: 10 gauge type 304 SS

E to E Dimensions: 26"

Applicable Code: ASME B31.3

Test Pressures: N/A

NDE: MFG STD

Bolting: N/A

Gasket: N/A

Total Open Area of Screen: 200% of the pipe cross sectional area

Size of Perforations / Wire Mesh(if req'd): 5/32" diameter
staggered holes at 0.235" centers

Painting: None

Installation: Flow toward the cone

SERVICE CONDITIONS

Fluid / Service: Freon - Gas

Operating Pressure: 44.8 psig

Design Pressure: 250 psig

Operating Temperature: 65.8 °F

Design Temperature: -20/150 °F

Operating Flowrate: 37.88 MMSCFD

Design Flowrate: 41.67 MMSCFD

Density 1.18 lb/ft3

Viscosity .0112 cP

Max. Press. Drop: 2 psi.

Allowable Pressure Drop: 1 psi

Collapsing Pressure 25 psi.

Notes:

1. 7" long handle.
2. A temporary 40 mesh and 0.01 inch diameter wire type 304 SS overlay screen on the outside for startup.
3. Aiken Type R