

Expandable manifold directs multiple materials to multiple destinations.

Exclusive Novatec Auto ID technology option for material verification and validation

A low voltage signal registers each time a material hose is connected to a material supply manifold. If that signal does not match the information preprogrammed into the system controller, a material mismatch alarm sounds, and the material will not convey.



Auto ID proofing option ensures that material moves from correct source to the intended destination.

- **Optional Auto ID of Material Source and Destination**

Adds manifold isolation and remote I/O ensuring reliable electronic verification of the selected connection via compatible Novatec central conveying control panel.

- **Auto Purge of Material Lines**

The upright manifold design enhances material flow, and promotes improved purge performance when used with source valve.

- **Modular, Expandable Design**

Each module accommodates up to two 6-position manifolds (12 connections) for 1.5"-2" O.D. lines or two 5-position manifolds (10 connections) for 2.5"-3" O.D. lines. Up to 4 modules can be combined per QSM assembly-modules and full assemblies can be added as needed.

- **Auto-Lock Connections**

Simple lance-style material line couplers are easier to use than bayonet connections. Material lines are automatically locked into position by source line cover for quick and easy source selection and positive vacuum seal.

Auto lock connection.



Attractive cabinet design with interlocking panels encloses fantail manifolds accommodating a range of material line diameters. Material names can be clearly marked on the cabinet face.

Mezzanine Mount - Fantail Cabinet Part Numbers

Part number
asfc5-1

Cabinet with 5 positions per row (2 rows) Number cabinets in group (max 4)

Number of Cabinets in Group	5-Position/row Cabinets*	6-Position/row Cabinets*
Group of 1	asfc5-1	asfc6-1
Group of 2	asfc5-2	asfc6-2
Group of 3	asfc5-3	asfc6-3
Group of 4	asfc5-4	asfc6-4

Block-Off Kits: (plastic covers for complete manifold position)
Part # asfc5-Blank
Part # asfc6-Blank

NOTE: Order groups of manifold cabinets to match the requirements for manifolds.
* 5-position rows accommodate 2.5" or 3" manifolds. 6 position rows accommodate 1.5" or 2" manifolds.

Floor Mount: - Fantail Cabinet Part Numbers add -f to above part numbers

Fantail Manifold Part Numbers

Number of positions per manifold
15=1.5"
20=2.0"
25=2.5"
30=3.0"

Part number

asfm-6-15

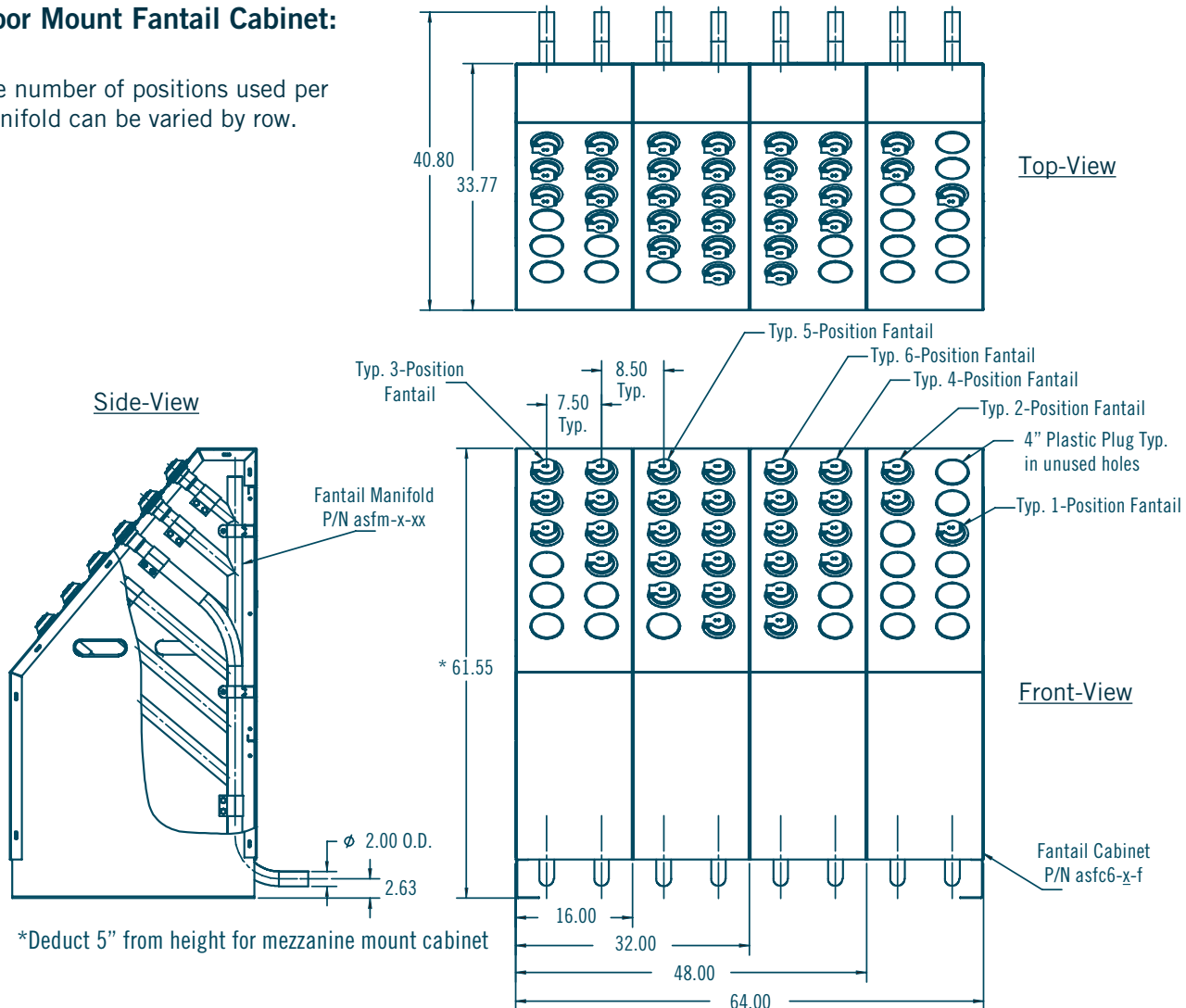
Fantail Manifold Manifold Diameter

1.5" Diameter Manifolds	2" Diameter Manifolds	2.5" Diameter Manifolds	3" Diameter Manifolds
asfm-6-15	asfm-6-20		
asfm-5-15	asfm-5-20	asfm-5-25	asfm-5-30
asfm-4-15	asfm-4-20	asfm-4-25	asfm-4-30
asfm-3-15	asfm-3-20	asfm-3-25	asfm-3-30
asfm-2-15	asfm-2-20	asfm-2-25	asfm-2-30
asfm-1-15	asfm-1-20	asfm-1-25	asfm-1-30

NOTE: Order the quantity of each manifold required for total installation.

Floor Mount Fantail Cabinet:

The number of positions used per manifold can be varied by row.





Material and destination names can be clearly marked to help avoid errors.



Auto ID Control recognizes any mismatch of source to destination and blocks material transfer.

Open Frames - Mezzanine Mount (56.5" high)

Part number
asff5-2

↑ ↑
Cabinet Number
with 5 of
positions manifolds
per row in group
(2 rows) (max 8)

Frame Width	5-Position/row Frames*	6-Position/Manifold Frames*
2 Manifolds	asff5-2	asff6-2
4 Manifolds	asff5-4	asff6-4
6 Manifolds	asff5-6	asff6-6
8 Manifolds	asff5-8	asff6-8

* 5-position rows accommodate 2.5" or 3" manifolds.
6 position rows accommodate 1.5" or 2" manifolds.



Open frame models available.

Option:

***Auto ID of Materials:** (Requires programming of Novatec control)

Add -ID to fantail manifold part numbers

For FlexNet and FlexXpand Controls:

Destination outputs (16) Part# FXM-0-16 (maximum 8 each)

Source inputs (16) Part# FXM-16-0 (maximum 4 each)

For FlexNet MCS-696 control:

Destination outputs (48) PN# 08-0102

Source inputs (32) Part# 08-0103-32 (maximum 1 each)

Source inputs (16) Part# 08-0103-16 (maximum 2 each)

*Auto ID requires flex hose with static wire. Maximum material temperature = 250°F.
Purge required for temperatures exceeding 180°F.

Accessories:

Floor Mount Accessories: Short radius bends

Part # tsse1596 1.5" O.D., SS, 90° 6" CLR

Part # tsse2096 2.0" O.D., SS, 90° 6" CLR

Part # tsse2596 2.5" O.D., SS, 90° 6" CLR

Part # tsse3094 3.0" O.D., SS, 90° 4.5" CLR

Diverter Y + Bend (2 manifolds to 1 source)

Part # asfm-d-15 1.5", O.D., SS, 90° 2.5" CLR

Part # asfm-d-20 2.0", O.D., SS, 90° 2.5" CLR

2.5", N/A

3", N/A

Machine Drops: Male connections

Part # asMHC15 1.5" O.D.

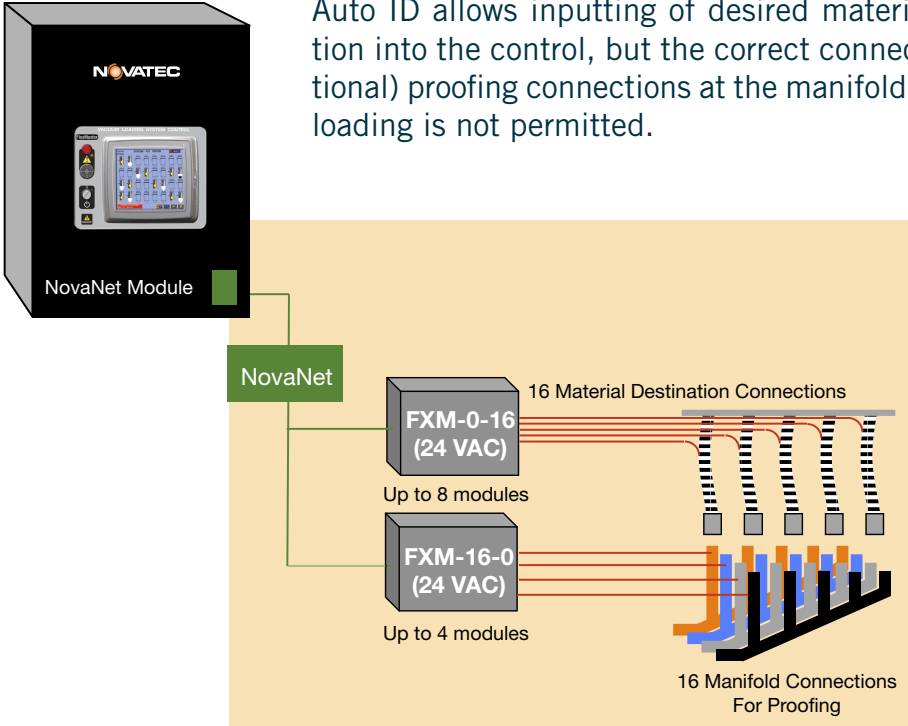
Part # asMHC20 2.0" O.D.

Part # asMHC25 2.5" O.D.

Part # asMHC30 3.0" O.D.

Add Auto ID Option easily with FlexXpand™ or FlexNet™ Distributed I/O Control

Material verification and validation is becoming more important to processors. Auto ID allows inputting of desired material source and destination information into the control, but the correct connection must be confirmed by the (optional) proofing connections at the manifold, or an alarm signal is generated and loading is not permitted.



The FlexXpand and the FlexNet Controls use FlexXpand modules to increase Auto ID sources and destinations by up to:

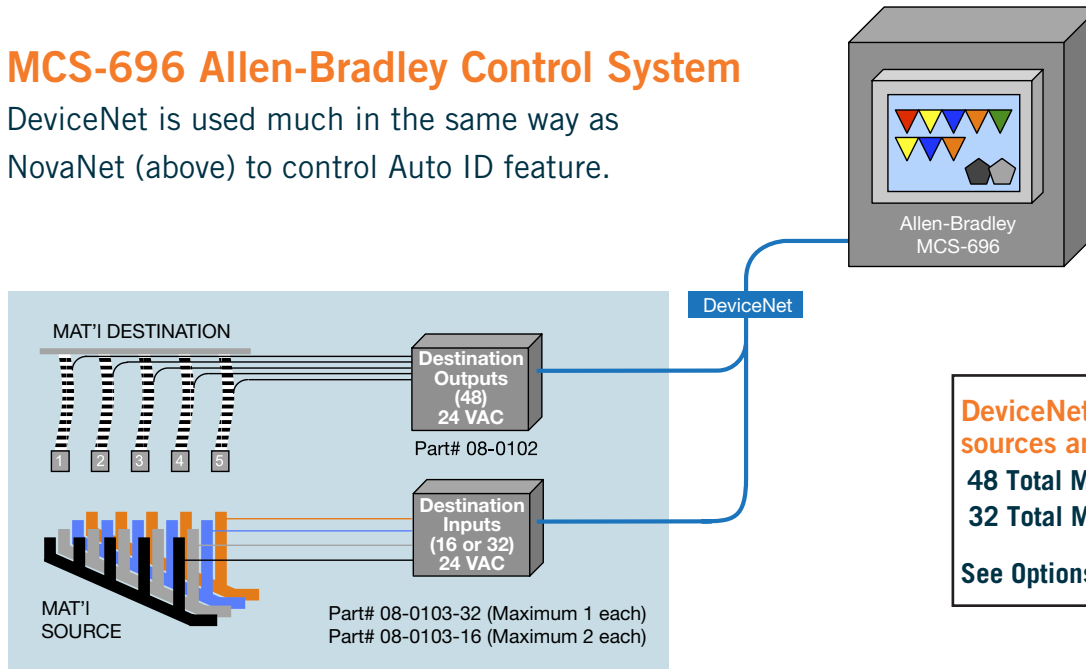
- *120 Total Material Destinations
- 64 Total Material Sources

See Options page 104A

*Maximum number of stations

MCS-696 Allen-Bradley Control System

DeviceNet is used much in the same way as NovaNet (above) to control Auto ID feature.



DeviceNet modules allow Auto ID sources and destinations of up to :

- 48 Total Material Destinations
- 32 Total Material Sources

See Options page 104A