

Excelsior-Flange TRANSPORT PRODUCTS

WIDE RANGE OF LPG AND NH3 TRANSPORT EQUIPMENT WITH 4 & 8 BOLT INLET / OUTLET DESIGN

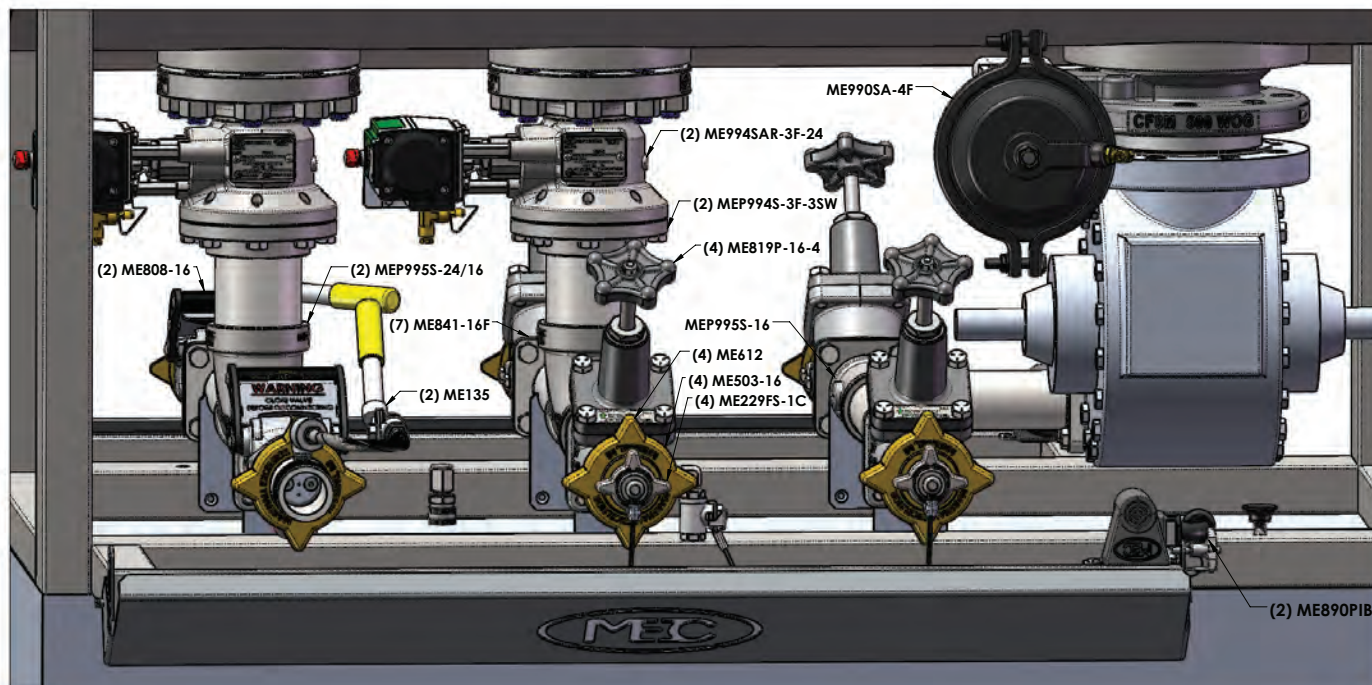


2019 Rev. A



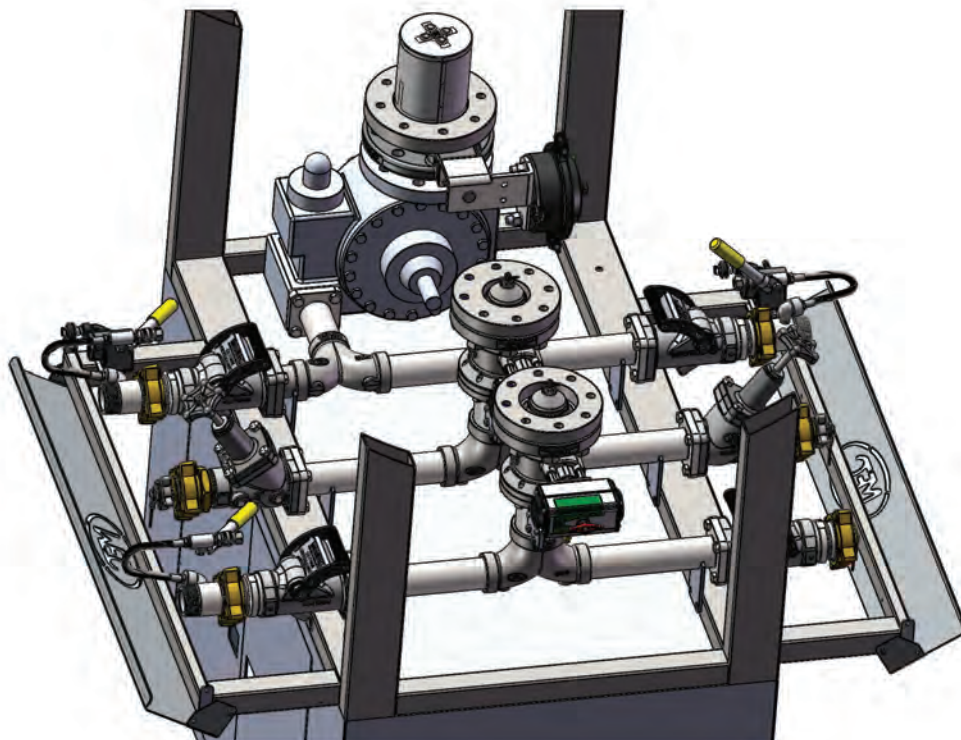
MARSHALLEXCELSIOR
innovation made simple

TRANSPORT OVERVIEWS

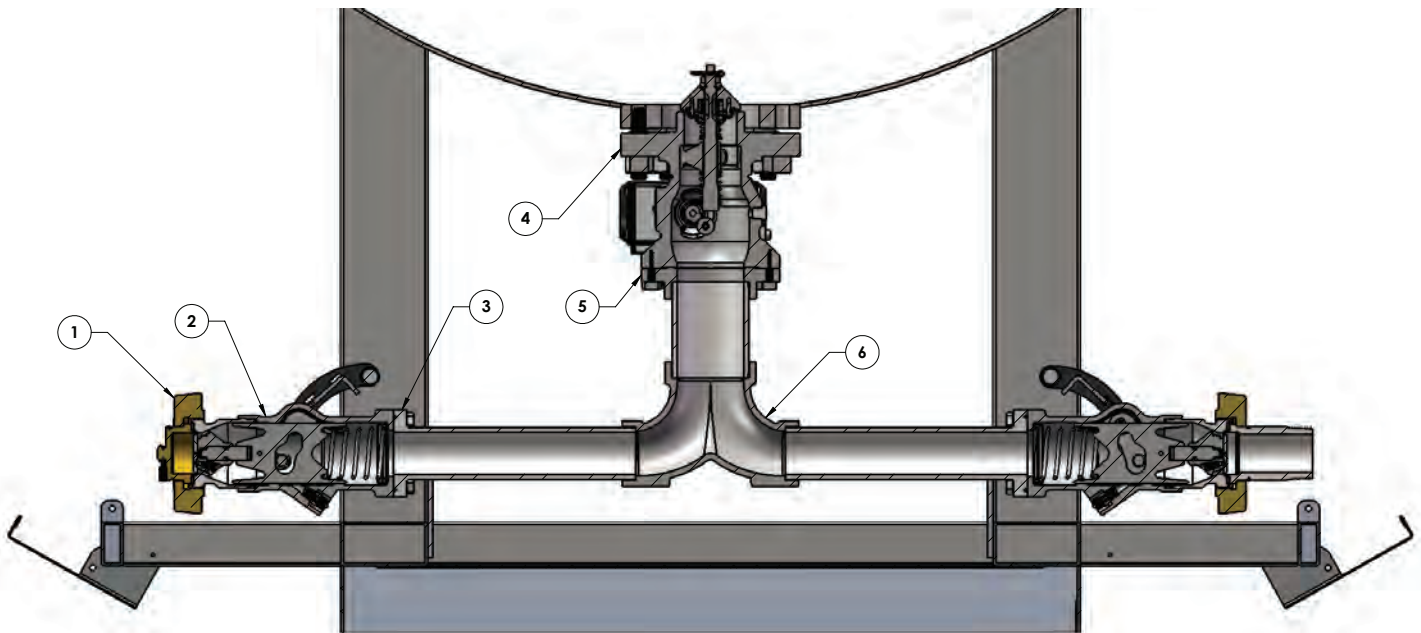
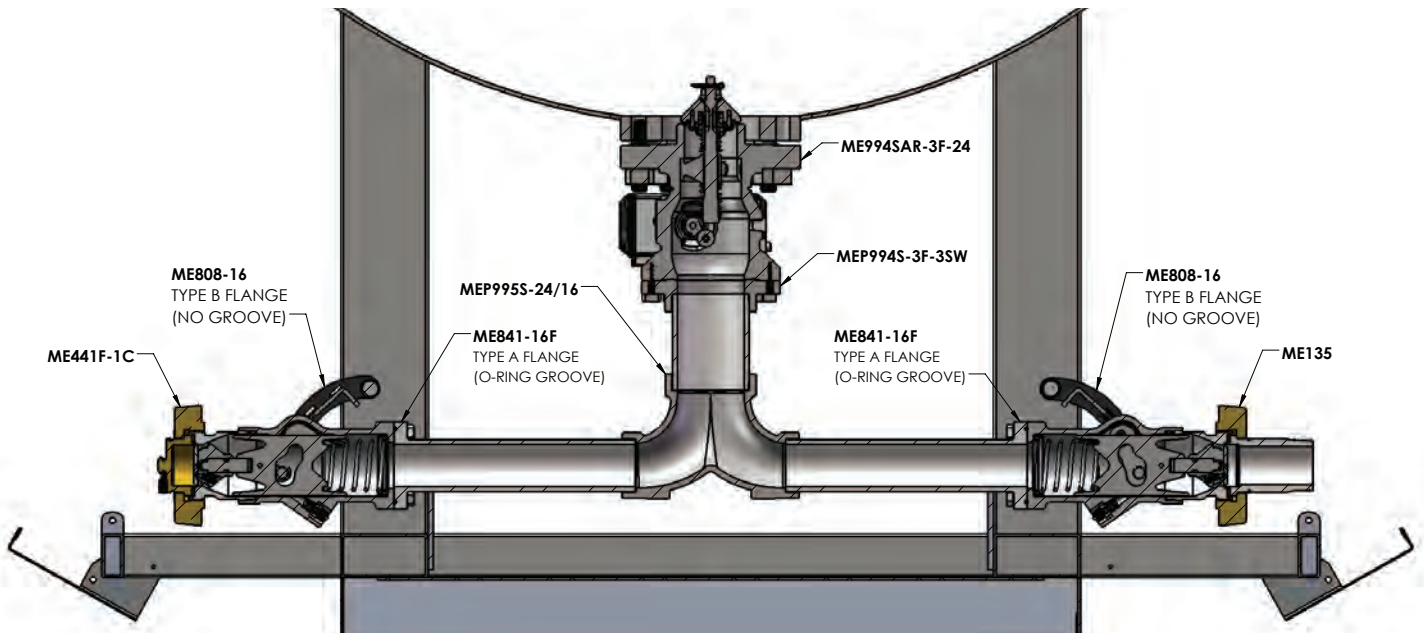


*NOTE: NUMBERS IN PARENTHESIS () REFER TO THE QUANTITY OF THE ASSOCIATED PART NUMBER

TRANSPORT OVERVIEW



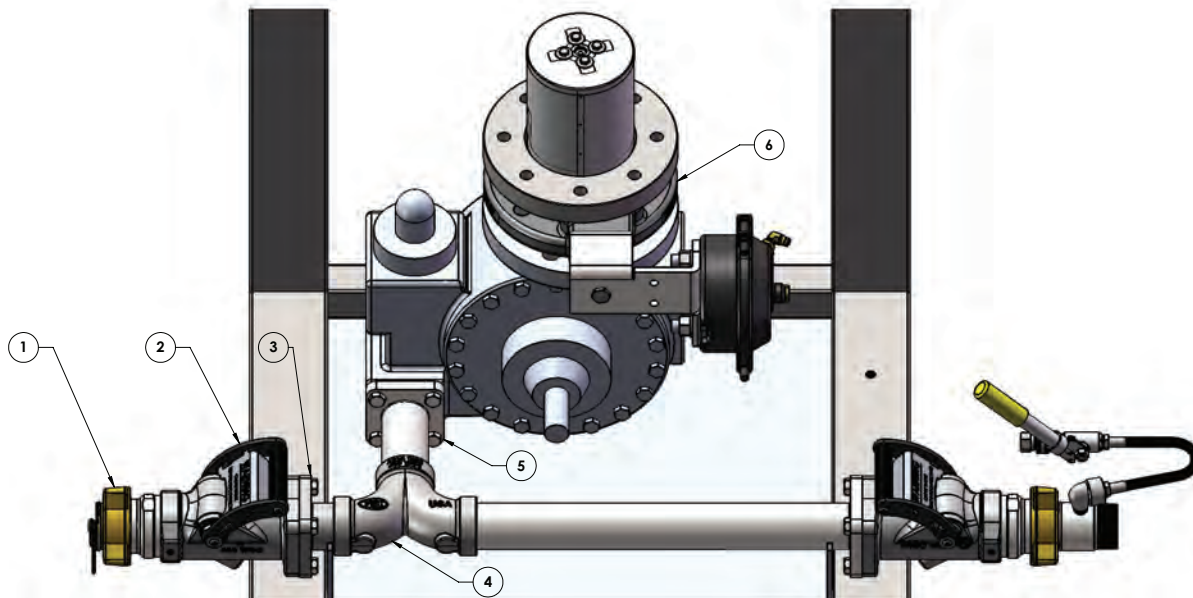
TRANSPORT W/ TURBO-FLO CONNECTIONS



1	2	3	4	5	6
ME135	ME808-16	ME841-16F	ME994SAR-3F-24-400	MEP994-3F-3SW	MEP995S-24/16
ME441F-1C	ME808S-16		ME994SA-3F-24-400	MEP994-3F-24	
ME441FS-1C			ME994S-3F-24-400		

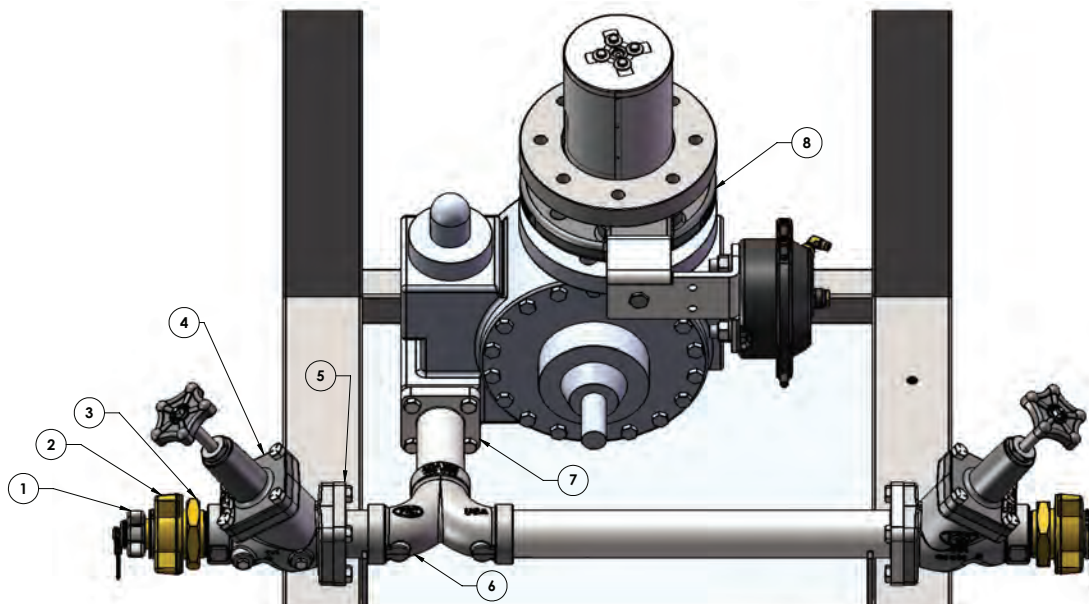
TRANSPORT APPLICATION MAPS

TRANSPORT PUMP W/ TURBO-FLO CONNECTIONS



1	2	3	4	5	6
ME135	ME808-16	ME841-16F	MEP995S-16	ME841-16F	ME990SA-4F-250
ME441F-1C	ME808S-16				ME990AR-4F-650
ME441FS-1C					ME990M-4F-650

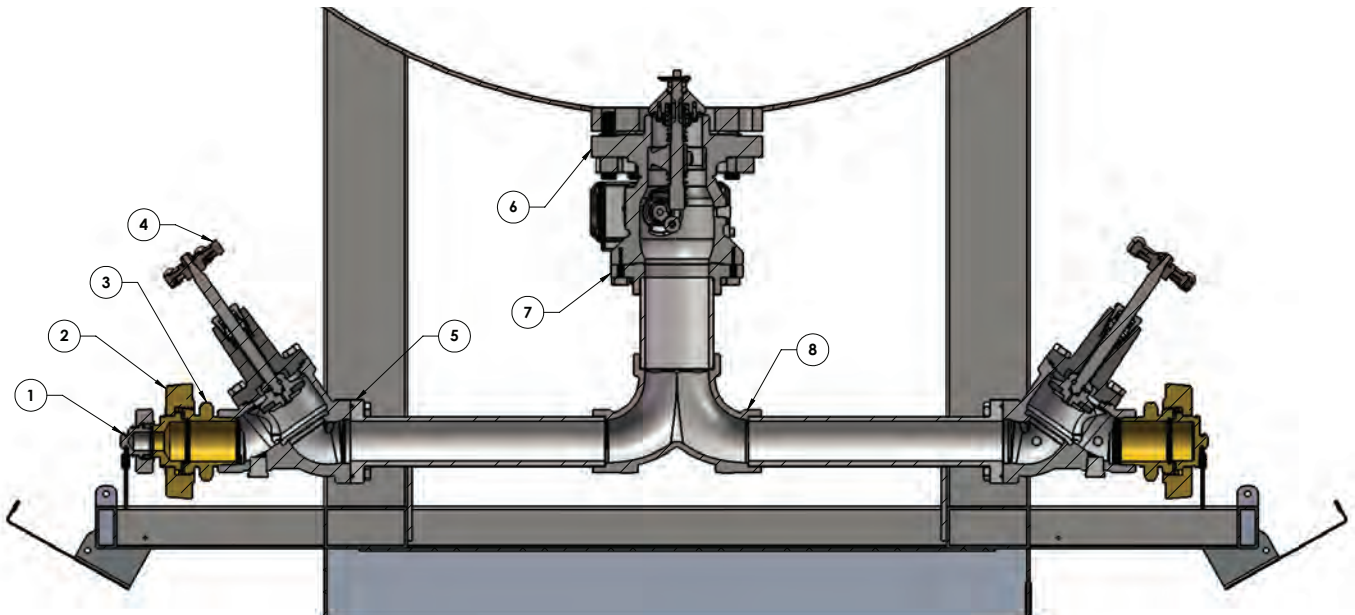
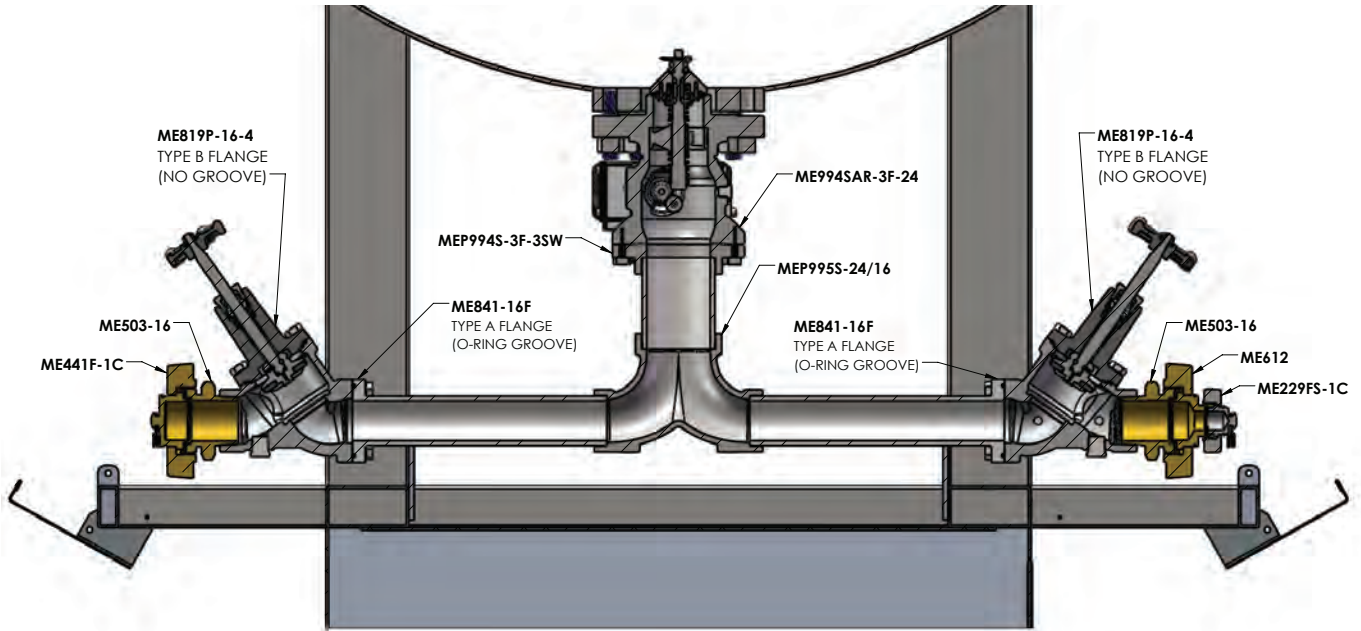
TRANSPORT PUMP W/ PILOT GLOBE VALVE CONNECTIONS



1	2	3	4	5	6	7	8
ME229FS-1C	ME612	ME503-16	ME819P-16-4	ME841-16F	ME995S-16	ME841-16F	ME990SA-4F-250
ME229F-1C	ME612S	ME503S-16	ME819P-16-H-4				ME990AR-4F-650
	ME441F-1C		ME819P-16HSS-4				ME990M-4F-650
	ME441FS-1C						



TRANSPORT W/ PILOT GLOBE VALVE CONNECTIONS



1	2	3	4	5	6	7	8
ME229FS-1C	ME612	ME503-16	ME819P-16-4	ME841-16F	ME994SAR-3F-24-400	MEP994-3F-3SW	MEP995S-24/16
ME229F-1C	ME612S	ME503S-16	ME819P-16H-4	ME840-16F	ME994SA-3F-24-400		
	ME441F-1C		ME819P-16HSS-4		ME994S-3F-24-400		
	ME441FS-1C						

Excelsa-Flange™ SERIES

HIGH FLOW PUMP AUXILIARY SECTION INTAKE FLANGE ELBOWS

APPLICATION:

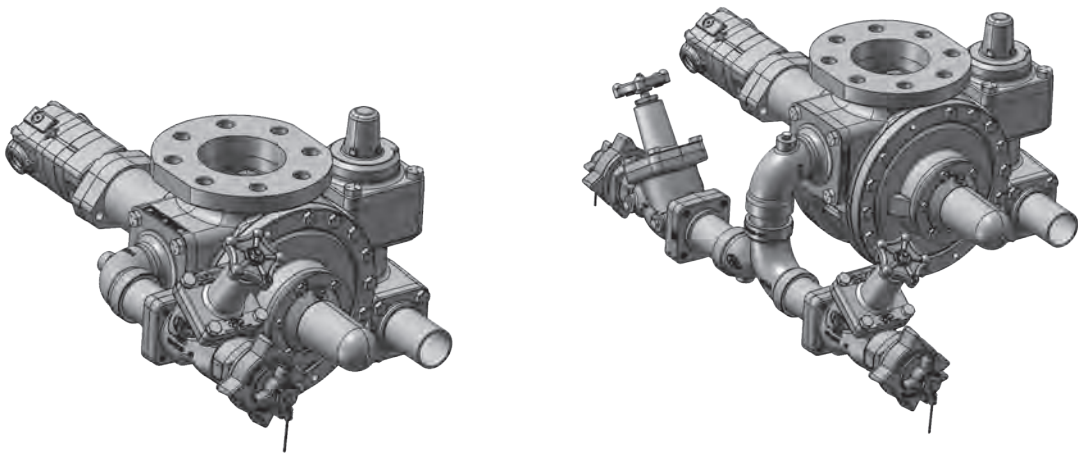
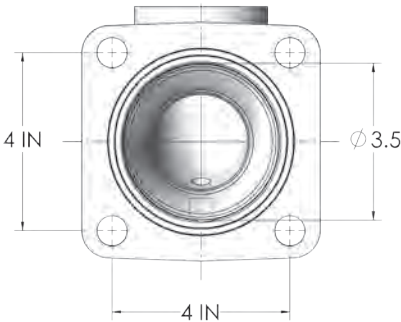
Specifically designed to bolt directly to 3"- 4 bolt flange auxiliary suction intake openings on standard Blackmer™ 4" TLGLF4 flange mount mobile transport trailer pumps to eliminate unwanted threaded joints. This high flow elbow allows the auxiliary intake to be oriented either forward or rear facing for applications where the pump is being hydraulically driven. The MEP841H-24/16 can be oriented for both curbside (right) or roadside (left) service or downward facing for both when used in conjunction with MEP995SBW-16 or MEP995-16.

FEATURES:

- Zinc plated WCC A216 steel or CF8M stainless steel body
- Approved for use in LPG or NH₃ service
- Rated 400 WOG
- Includes standard 1/4" FNPT plugged test port
- Includes mounting o-ring
- Fits Blackmer™ model TLGLF4 pumps



MEP841H-24/16



MEC Excelsa-Flange High Flow Pump Auxiliary Suction Intake Flange Elbows			
Part No.	Description	Weight (lbs.)	Material
MEP841H-24/16	Excelsa-Flange 3" - 4 Bolt (Type A) x 2" Socket Weld Auxiliary Suction Intake Elbows and O-ring	7.36	WCC A216 Steel
MEP841HSS-24/16		7.78	CF8M Stainless Steel

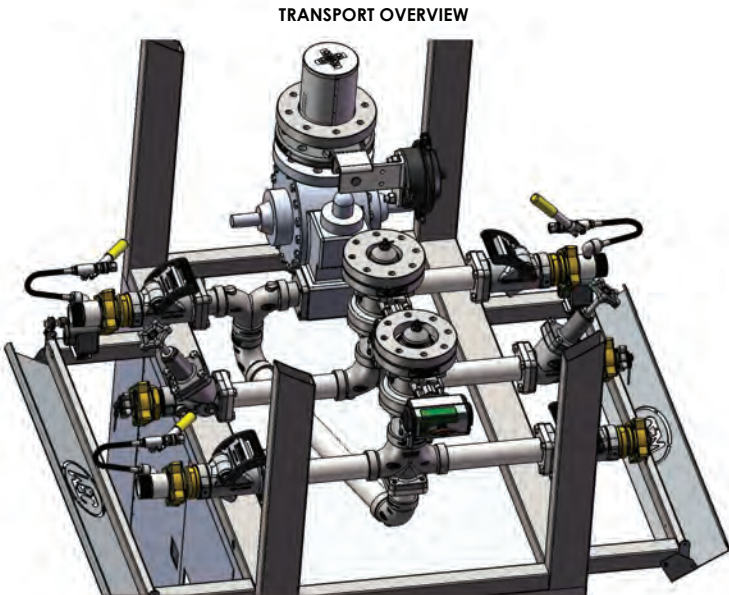


Excelsa-Flange™ SERIES

HIGH FLOW CROSS-OVER SELF LOAD INTAKE ADAPTER



MEC997-24/16
 3" SOCKET WELD X (2) 2" SOCKET WELD X 2"-4 BOLT
 (TYPE B) FLANGE ADAPTER



APPLICATION:

Specifically designed to allow for high flow liquid transfer in auxiliary self load cross-over line applications on mobile transport trailers. The MEC997S-24/16 is equipped with a 3" socket weld connection, to allow direct connection to ME994S-3F Series **Excelsa-Flange** Internal Valves and (2) 2" socket weld discharge ports as well as an auxiliary 4 bolt (type B) intake flange. The 4 bolt (type B) intake flange allows for maximum product flow, while providing a convenient flange union for system maintenance.

FEATURES:

- Zinc plated steel body
- Approved for use in LPG or NH₃ service
- Rated 400 WOG
- For use with all Type A (ME840 & ME841 Series) companion flanges

MEC Excelsa-Flange™ High Flow Cross-over Self Load Intake Adapter		
Part No.	Description	Weight (lbs.)
MEP997S-24/16	Excelsa-Flange 3" Socket Weld x (2) 2" Socket Weld x 4 Bolt (Type B) Flange Intake Adapter - Steel	10.0

*Available in Stainless Steel construction. To order Stainless Steel add "SS" after the prefix part number - i.e. MEP995SS-16



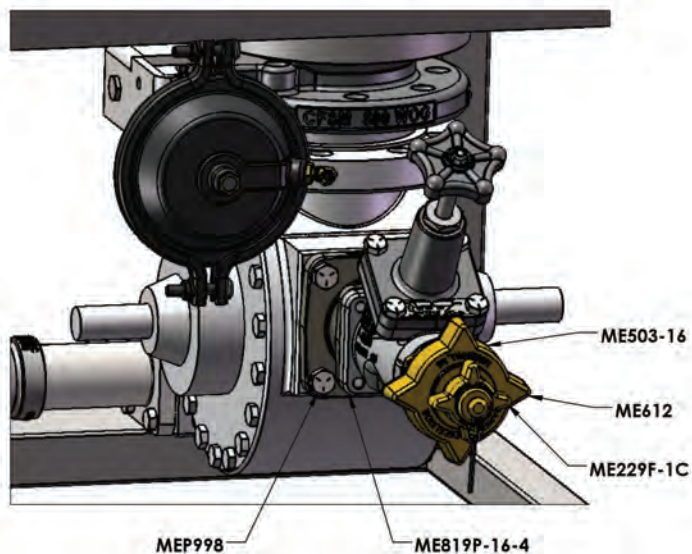
HIGH FLOW PUMP AUXILIARY SUCTION INTAKE FLANGE ADAPTERS



MEP998

3"-4 BOLT FLANGE X 2"-4 BOLT FLANGE ADAPTER

PUMP AUXILIARY INLET CONNECTION



APPLICATION:

Specifically designed to bolt directly to 3"- 4 bolt flange auxiliary suction intake openings on standard 4" flange mount mobile transport trailer pumps to eliminate unwanted threaded joints. The MEP998 is equipped with a 4 bolt type A flange inlet for mounting to either ME842 or ME843 series Excelsa-Flange™ companion flanges where additional piping is desired or direct bolt onto ME819P Series Excelsa-Flange™ globe valves for a worry-free easy to maintain auxiliary intake assembly.

FEATURES:

- Zinc plated ductile iron body
- Approved for use in LPG or NH₃ service
- Rated 400 WOG
- For use with all Type B (ME842 & ME843 Series) companion flanges

MEC Excelsa-Flange™ High Flow Pump Auxiliary Suction Intake Flange Adapters		
Part No.	Description	Weight (lbs.)
MEP998	Excelsa-Flange™ 3" - 4 Bolt (Type A) x 2" - 4 Bolt (Type A) Auxiliary Suction Intake	6.25

HIGH FLOW SOCKET & BUTT WELD BODIES

APPLICATION:

These tees and elbows are available in both 2" and 3" socket weld and 2" butt weld pipe configuration and maximize flow through system piping where a 90° turn must be made. Flow rates are maximized by an optimized flow path as well as nearly seamless piping joints reducing turbulence and focusing flow through the system. Ideally suited for pump discharge lines, transport loading/unloading tee assemblies, spray fill lines or any other piping application where piping is welded and high flow rates are desired.



MEP996S-16
2" F. Socket Weld X
2" F. Socket Weld Tee



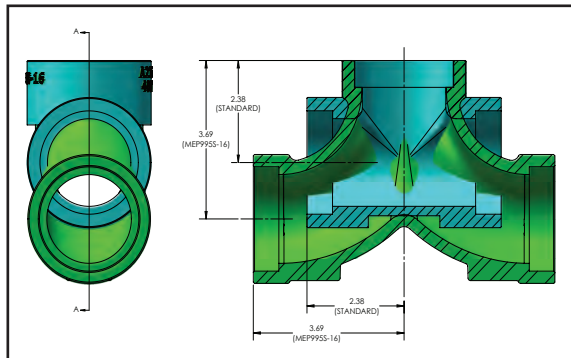
MEP995S-24/16
3" F. Socket Weld X
(2") -2" F. Socket Weld Tee



MEP995SBW-16
2" F. Butt Weld X (2") -2" F. Butt Weld Tee



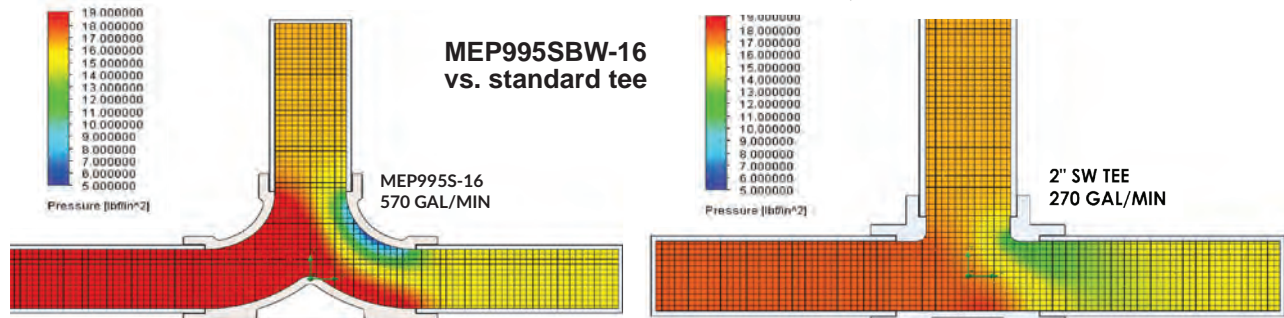
MEP999SBW-16
2" x 2" Butt Weld Elbow



FEATURES:

- All steel construction for maximum durability and weldability
- Available in 2" & 3" Socket Weld configurations
- 2" butt weld connection for shorter overall profiles and increase flexibility
- MEP999 Series features an integrated type A 4 bolt flange union
- Coated for maximum corrosion resistance
- Approved for use in LPG or NH₃ service
- Rated 400 WOG
- Available in Stainless Steel construction

FLOW COMPARISON 2 PSI DIFFERENTIAL- LIQUID PROPANE



MEC Excelsa-Flange™ High Flow Socket Weld Tees		
Part No.	Description	Weight (lbs.)
MEP995S-16	2" x 2" x 2" Socket Weld High Flow Tee Body-Steel	6.1
MEP995S-24/16	3" x 2" x 2" Socket Weld High Flow Tee Body-Steel	7.8
MEP995SBW-16	2" x 2" x 2" Butt Weld High Flow Tee Body-Steel	4.2
MEP999S-16	4 Bolt Type A x 2" x 2" Socket Weld High Flow Tee Body-Steel	7.0
MEP999SBW-16	4 Bolt Type A x 2" x 2" Butt Weld High Flow Tee Body-Steel	5.72
MEC Excelsa-Flange High Flow Socket Weld Elbows		
Part No.	Description	Weight (lbs.)
MEP996S-16	2" x 2" Socket Weld High Flow Elbow Body-Steel	3.8
MEP996SBW-16	2" x 2" Butt Weld High Flow Elbow Body-Steel	2.5
MEP996S-24	3" x 3" Socket Weld High Flow Elbow Body-Steel	6.7

*To order Stainless Steel add "SS" after the prefix part number - i.e. MEP995SS-16

