

# Transfer Pumps Package Specification

(Total Discharge Rate: 30000 BPD)



The Transfer Pumps Package is enclosed inside 20 Ft container and consists of the following components:

1. Three (3) MCM 250 Series Pumps driven by explosion proof electric motors
  2. Three (3) Sprecher and Schuh Starters.
  3. Discharge Manifold with 6" SCH 40 Piping with 4" 602 connections
  4. Three (3) PSVs, one for each pump.
  5. 20 ft Container with lighting and wiring Class 1 Division 1.
  6. Junction Box (Control Box) for lighting and low voltage accessories.
  7. Six (6) HP Hoses 4"
- Container doors are built to make operation easy.
  - Inlet and Discharge manifolds are configured to allow the option to use each pump separately.
  - Valves and pipes are in compliance with NACE MR 01-75

- All Starters are placed in a NEMA 7 Explosion Proof enclosure.

| Pump Specification             |   |                            |                                   |
|--------------------------------|---|----------------------------|-----------------------------------|
| <b>Manufacturer :</b>          | MCM   | <b>Model:</b>              | 250 Series                        |
| <b>Size:</b>                   | 6" X 5" X 14"   | <b>Service:</b>            | Sour Service                      |
| <b>Speed:</b>                  | 1750 RPM  | <b>Shaft Power:</b>        | 75 HP                             |
| <b>Head:</b>                   | 180 FT  | <b>NPSH:</b>               | 8 FT                              |
| <b>Diff. Press:</b>            | 75 PSI  | <b>Max. Suction Press:</b> | 200 PSI                           |
| <b>Suc. Press:</b>             | 5 PSI   | <b>Discharge Press:</b>    | 80 PSI                            |
| <b>Discharge Rate:</b>         | 10000 BPD   | <b>Impeller Dia:</b>       | 14"                               |
| <b>Shaft Seal:</b>             | Tungsten Carbide Mechanical                               | <b>Shaft Sleeve:</b>       | SS                                |
| Electrical Motor Specification |   |                            |                                   |
| <b>Manufacturer :</b>          | Baldor  | <b>Model:</b>              | EM7068T-I                         |
| <b>Power:</b>                  | 75HP  | <b>RPM:</b>                | 1800                              |
| <b>Voltage:</b>                | 230-460V  | <b>Phase:</b>              | 3                                 |
| <b>Frequency:</b>              | 60Hz  | <b>Explosion Proof:</b>    | Yes                               |
| Starter Specification          |   |                            |                                   |
| <b>Manufacturer :</b>          | Sprecher and Schuh  | <b>Model:</b>              |                                   |
| <b>Power:</b>                  | 75 HP   | <b>Voltage:</b>            | 480 V                             |
| <b>Frequency:</b>              | 60 HZ   |                            |                                   |
| <b>Enclosure:</b>              | NEMA 7 Explosion Proof with Start/Stop/Reset Push Buttons | <b>Contactor Type:</b>     | Magnetic with overload and resets |