

Oil separator series OS

Features

- Three different construction styles:
 - Hermetic
 - Top flange
 - Bottom flange with support bracket
- Stainless steel needle valve and floater
- Permanent magnet to catch iron particles out of the system
- Corrosion-resistant epoxy powder coating
- ODF Copper fittings for easy brazing
- Temperature range TS: -10°C ... +150°C
- Max. allowable pressure PS: 31 bar
- **CE** marking according PED
- **UL** US LISTED pending



OSH



OST



OSB

Type code

OS X - X XX

Product Name ODF
Oil Separator O

Construction
H Hermetic
T Top Flange
B Bottom Flange with supporter

Nominal Shell Diameter
4 ~ 10 cm
6 ~ 15 cm

ODF Connection
04 1/2"
05 5/8" (16 mm)
07 7/8" (22 mm)
09 1-1/8"
11 1-3/8" (35 mm)
13 1-5/8"
17 2-1/8" (54 mm)

Selection table

A1

| Type | Part No. | Connection ODF | | Nominal Capacity (kW) | | | | | | | | Volume (l) |
|---------|----------|----------------|------|-----------------------|-------|----------------|-------|-------|-------|-------|-------|------------|
| | | (Inch) | (mm) | R407C | R134a | R404A/ R507 | R448A | R449A | R450A | R513A | R452A | |
| OSH-404 | 881598 | 1/2" | | 7.0 | 4.9 | 7.3 | 7.4 | 7.9 | 4.6 | 4.7 | TBD | 2.0 |
| OSH-405 | 881599 | 5/8" | 16 | 18.7 | 13.1 | 19.4 | 18.8 | 20.1 | 11.7 | 12.1 | TBD | 2.4 |
| OSH-407 | 881600 | 7/8" | 22 | 28.1 | 19.7 | 29.0 | 29.9 | 32.1 | 18.6 | 19.2 | TBD | 2.8 |
| OSH-409 | 881792 | 1-1/8" | | 37.4 | 26.2 | 38.7 | 40.9 | 43.9 | 25.4 | 26.3 | TBD | 3.0 |
| OSH-411 | 881794 | 1-3/8" | 35 | 46.8 | 32.8 | 48.4 | 49.3 | 52.9 | 30.7 | 31.7 | TBD | 3.6 |
| OSH-611 | 881940 | 1-3/8" | 35 | 65.5 | 45.9 | 67.8 | 68.7 | 73.6 | 42.7 | 44.1 | TBD | 3.6 |
| OSH-413 | 881856 | 1-5/8" | | 51.5 | 36.1 | 53.3 | 60.6 | 65.0 | 37.7 | 38.9 | TBD | 6.5 |
| OSH-613 | 881953 | 1-5/8" | | 65.5 | 45.9 | 67.8 | 71.7 | 76.8 | 44.5 | 46.0 | TBD | 7.9 |
| OSH-642 | 889022 | | 42 | 65.5 | 45.9 | 67.8 | 71.7 | 76.8 | 44.5 | 46.0 | TBD | 7.9 |
| OSH-617 | 881970 | 2-1/8" | 54 | 105.3 | 73.8 | 108.9 | 108.7 | 116.5 | 67.5 | 69.8 | TBD | 7.9 |
| OST-404 | 881860 | 1/2" | | 7.0 | 4.9 | 7.3 | 7.4 | 7.9 | 4.6 | 4.7 | TBD | 1.8 |
| OST-405 | 881861 | 5/8" | 16 | 18.7 | 13.1 | 19.4 | 18.8 | 20.1 | 11.7 | 12.1 | TBD | 2.6 |
| OST-407 | 881862 | 7/8" | 22 | 28.1 | 19.7 | 29.0 | 29.9 | 32.1 | 18.6 | 19.2 | TBD | 3.2 |
| OST-409 | 881863 | 1-1/8" | | 37.4 | 26.2 | 38.7 | 40.9 | 43.9 | 25.4 | 26.3 | TBD | 3.8 |
| OST-411 | 881938 | 1-3/8" | 35 | 46.8 | 32.8 | 48.4 | 49.3 | 52.9 | 30.7 | 31.7 | TBD | 3.8 |
| OST-413 | 881939 | 1-5/8" | | 65.5 | 45.9 | 67.8 | 68.7 | 73.6 | 42.7 | 44.1 | TBD | 3.8 |
| OSB-613 | 881971 | 1-5/8" | | 65.5 | 45.9 | 67.8 | 71.7 | 76.8 | 44.5 | 46.0 | TBD | 7.8 |
| OSB-617 | 881972 | 2-1/8" | 54 | 105.3 | 73.8 | 108.9 | 108.7 | 116.5 | 67.5 | 69.8 | TBD | 7.8 |

Note: *) Applied higher module as required

Selection table

A2L

| Type | Part No. | Connection ODF | | Nominal Capacity (kW) | | | | | | | Volume (l) |
|-----------|----------|----------------|------|-----------------------|-------|-------|---------|-------|-------|-------|------------|
| | | (Inch) | (mm) | R1234ze | R455A | R452B | R1234yf | R454A | R454B | R454C | |
| OSH-404-L | 881601 | 1/2" | | 3.9 | 6.5 | 10.3 | 4.5 | 6.5 | 8.9 | 5.7 | 2.0 |
| OSH-405-L | 881602 | 5/8" | 16 | 9.9 | 14.9 | 23.8 | 10.4 | 15 | 20.4 | 13.1 | 2.4 |
| OSH-407-L | 881603 | 7/8" | 22 | 15.8 | 26.4 | 42.1 | 18.3 | 26.5 | 36 | 23.2 | 2.8 |
| OSH-409-L | 881604 | 1-1/8" | | 21.6 | 36.1 | 57.6 | 25.1 | 36.3 | 49.3 | 31.8 | 3.0 |
| OSH-411-L | 881605 | 1-3/8" | 35 | 26 | 43.6 | 69.4 | 30.3 | 43.7 | 59.4 | 38.3 | 3.6 |
| OSH-413-L | 881607 | 1-5/8" | | 32 | - | - | - | - | - | - | 6.5 |
| OST-404-L | 881611 | 1/2" | | 3.9 | 6.5 | 10.3 | 4.5 | 6.5 | 8.9 | 5.7 | 1.8 |
| OST-405-L | 881612 | 5/8" | 16 | 9.9 | 14.9 | 23.8 | 10.4 | 15 | 20.4 | 13.1 | 2.6 |
| OST-407-L | 881613 | 7/8" | 22 | 15.8 | 26.4 | 42.1 | 18.3 | 26.5 | 36 | 23.2 | 3.2 |
| OST-409-L | 881614 | 1-1/8" | | 21.6 | 36.1 | 57.6 | 25.1 | 36.3 | 49.3 | 31.8 | 3.8 |
| OST-411-L | 881615 | 1-3/8" | 35 | 26 | 43.6 | 69.4 | 30.3 | 43.7 | 59.4 | 38.3 | 3.8 |
| OST-413-L | 881616 | 1-5/8" | | 36.2 | 46.5 | 74.1 | 32.3 | 46.7 | 63.4 | 40.9 | 3.8 |

Spare part

| Part No. | Description |
|----------|------------------------|
| 808800 | Gasket set for OSB/OST |