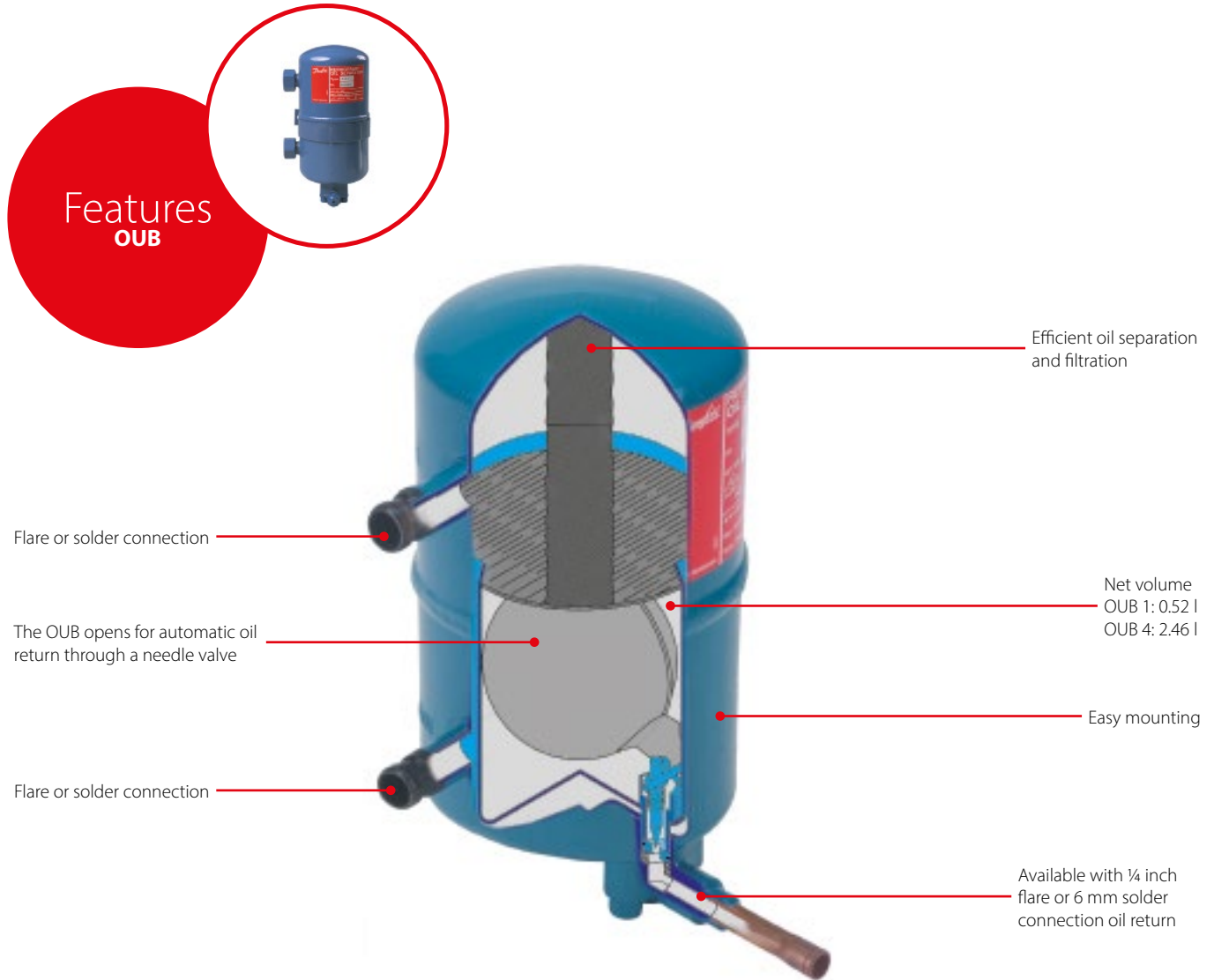


OUB, Oil separator

OUB oil separators are for use in all refrigeration plants where the compressor lubricating oil must be returned direct to the compressor oil sump under all operation conditions.

In this way lubricating oil from the compressor is prevented from circulating with the refrigerant in the refrigeration system itself.



Facts

Application:

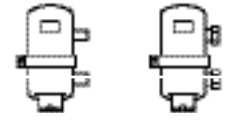
- Traditional refrigeration
- Air conditioning units

- High efficiency due to the interaction of reduced flow and a change of flow direction for oil concentration, and due to the collection of the separated oil at high temperature and the automatic return of the oil to the crankcase

- High efficiency protects against liquid hammer in compressor
- Better utilisation of condenser and evaporator capacity (no oil-gas collection)
- Prevents compressor breakdown caused by lack of lubrication
- Increases compressor operating life
- Ensures oil return to compressor oil sump
- Pulsation and noise damping on high- pressure side of system
- Max. working pressure: PS 28 bar

- OUB 1: applicable to R22, R1270, R134a, R290, R404A, R407A, R407C, R407F, R438A, R448A, R449A, R450A, R452A, R507A, R513A, R600, R600a
- OUB 1 may be used in the following EX range: Category 3 (Zone 2)
- OUB 4: applicable to R22, R134a, R404A, R407A, R407C, R407F, R438A, R448A, R449A, R450A, R452A, R507A, R513A
- Temperature of medium: -40 – 120 °C
- Net volume:
 - OUB 1: 0.52 l
 - OUB 4: 2.46 l

Technical data and ordering



OUB 1s OUB 1/OUB 4

OUB - Oil separator

Ordering

Type	Connection			Rated plant capacity [kW]					Code no. for OUB + unions (straightway)
	[in]	[mm]	Version	R22	R134a	R404A	R507	R407C	
OUB 1	³ / ₈	10	Flare	3.1	2.5	3.5	3.5	4.4	040B0010 + 2 × 040B0132
	³ / ₈	–	Solder	3.1	2.5	3.5	3.5	4.4	040B0010 + 2 × 040B0140
	¹ / ₂	12	Flare	3.1	2.5	3.5	3.5	4.4	040B0010 + 2 × 040B0134
	¹ / ₂	–	Solder	3.1	2.5	3.5	3.5	4.4	040B0010 + 2 × 040B0142
	⁵ / ₈	16	Flare	3.1	2.5	3.5	3.5	4.4	040B0010 + 2 × 040B0136
	⁵ / ₈	16	Solder	3.1	2.5	3.5	3.5	4.4	040B0010 + 2 × 040B0144
	Without connection unions								040B0010
OUB 1s 1)	–	10	Solder	3.1	2.5	3.5	3.5	4.4	040B0023
OUB 1s 2)	–	10	Solder	3.1	2.5	3.5	3.5	4.4	040B0029
OUB 4	⁵ / ₈	16	Flare	11.6	9.6	12.8	12.8	16.0	040B0040 + 2 × 040B0256
	⁵ / ₈	16	Solder	11.6	9.6	12.8	12.8	16.0	040B0040 + 2 × 040B0266
	³ / ₄	–	Solder	11.6	9.6	12.8	12.8	16.0	040B0040 + 2 × 040B0268
	⁷ / ₈	–	Solder	11.6	9.6	12.8	12.8	16.0	040B0040 + 2 × 040B0270
	–	22	Solder	11.6	9.6	12.8	12.8	16.0	040B0040 + 2 × 040B0264
	1 ¹ / ₈	–	Solder	11.6	9.6	12.8	12.8	16.0	040B0040 + 2 × 040B0274
	Without connection unions								040B0040

¹⁾ ¼ inch flare connection to oil return line.

²⁾ 6 mm ODF solder connection to oil return line.

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