

3. Technical data

	THAP 030E	THAP 150E	THAP 300E	THAP 400E
Nominal hydraulic pressure	30 MPa (4 350 psi)	150 MPa (21 750 psi)	300 MPa (43 500 psi)	400 MPa (58 000 psi)
Pressure ratio	1:50	1:250	1:500	1:667
Operating air pressure	7 bar (100 psi)			
Air consumption	200 litres per min (7.1 cu.ft/min)			
Volume/stroke	10 cm ³ (0.61 in ³)	1,92 cm ³ (0.12 in ³)	0,83 cm ³ (0.051 in ³)	0,64 cm ³ (0.039 in ³)
Operating temperature	0 °C (32 °F) – 45 °C (113 °F) depending on fluid used			
Oil outlet*	G ¾ male			
Length	350 mm (13.9 in)		405 mm (15,9 in)	
Height	202 mm (8 in)			
Width	171 mm (6.7 in)			
Weight	11.5 kg (25.3 lb)		13 kg (28.6 lb)	

* Can be removed to allow flexible pressure hoses (THAP 030E and THAP 150E) and high pressure pipes (THAP 300E and THAP 400E) to be fitted to the oil outlet block, → **section 4** for further information.

3.1 Minimum recommended air quality for the THAP...E series

The air quality should as a minimum satisfy the following conditions;

ISO 8573.1:2001 Compressed air -- Part 1: Contaminants and purity classes.

Solid particle: Class 5
 Water: Class 4 or better depending on the ambient temperature.
 (A water vapour pressure dew point at least 10 °C below the ambient temperature is recommended)
 Oil: Class 5

3.2 Oil Cleanliness requirements and recommendations for the THAP...E series

Dirt and metal particles in the oil can cause wear of the piston mating surfaces, leading to excessive oil leakage and permanent damage to the THAP...E.

The recommended oil cleanliness level should meet or exceed ISO 4406:1999 20/18/15

Using fluids or oils, other than SKF mounting and dismounting fluids, can cause corrosion and/or damage to the piston mating surfaces.

Do not mix fluids or oils of different brands.

Use SKF Mounting Fluid (LHMF 300) for mounting applications between 0 °C (32 °F) and 35 °C (95 °F) and for dismounting applications between 0 °C (32 °F) and 10 °C (50 °F).

Use SKF Dismounting Fluid (LHDF 900) for mounting applications between 35 °C (95 °F) and 45 °C (113 °F) and for dismounting applications between 10 °C (50 °F) and 45 °C (113 °F).

Maximum allowable viscosity of oil at operating temperature is 1 500 mm²/s.

When mounting or dismounting SKF OK Couplings, use the recommended oil as stated in the mounting instructions for the specific coupling.