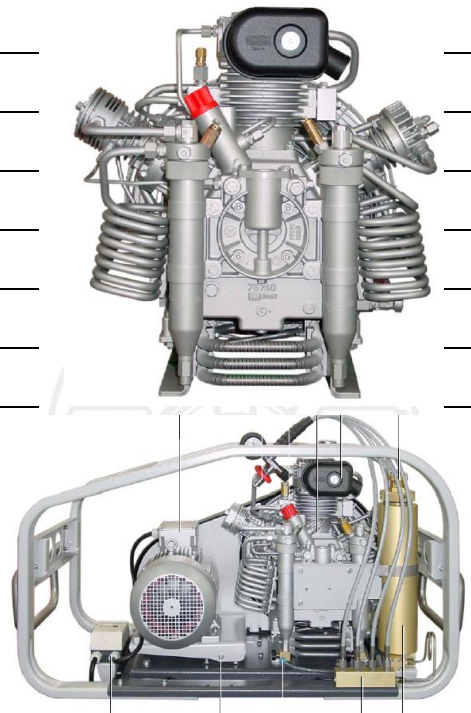




Specifications

Manufacturer	:	Bauer
Model	:	Mariner 320-E
Plant and Serial Number	:	DMES-HPC-014 (19-17-5045)
Type	:	High Pressure Compressor (Breathing Air)
Motor Drive	:	Three Phase Squirrel Cage (IP 55-B 3 Construction)
Operating Voltage	:	380 – 415 V, 50 Hz: 380 – 480 V, 50 Hz
Motor Power	:	10 Hp (7.5 kW), 15.3 Amps
Max. Operating Pressure	:	3262 PSI (225 Bar)
RPM	:	2,910 min ⁻¹
Number of Stages	:	4
Number of Cylinders	:	3
Cylinder Bore 1st Stage	:	105 mm
Cylinder Bore 2nd Stage	:	105/88 mm
Cylinder Bore 3rd Stage	:	28 mm
Cylinder Bore 4th Stage	:	12 mm
Piston Stroke	:	40 mm
Intermediate Pressure 1st Stage	:	2.5 3,5 bar
Intermediate Pressure 2nd Stage	:	14 18 bar
Intermediate Pressure 3rd Stage	:	55 85 bar
Compressor Block Oil Capacity	:	2.8 Ltr



Oil Pressure	:	3 to 6 bar
Oil type	:	Synthetic / Mineral Oil
Max. Permissible Operating Height	:	+5 ... +45°C (+43 ... +113°F)
Air Quality	:	DIN EN 12021 Breathing Air 2014-07
Dimensions	:	48 x 32 x 38 in. (120 x 080 x 095 cm)
Weight	:	348 lbs (158 kg)

Features

<ul style="list-style-type: none"> High pressure compressor, 320 L / min, 7.5 kW, three-phase motor 400 V, 50 Hz, P 31 filter system
<ul style="list-style-type: none"> Compressor block 3 cylinders, 4-stage
<ul style="list-style-type: none"> Micronic intake
<ul style="list-style-type: none"> Intercooler / aftercooler
<ul style="list-style-type: none"> Intermediate / final separator for oil / water condensate
<ul style="list-style-type: none"> Intermediate pressure safety valves after each compressor stage
<ul style="list-style-type: none"> End pressure safety valve type tested according to TUV
<ul style="list-style-type: none"> Pressure holding / check valve after the last compressor stage
<ul style="list-style-type: none"> Oil lubrication
<ul style="list-style-type: none"> Three-phase motor
<ul style="list-style-type: none"> Motor protection switch and connecting cable including plug
<ul style="list-style-type: none"> Support frame or lintel frame in vibration-optimized construction
<ul style="list-style-type: none"> Lightweight construction through the use of aluminum alloys
<ul style="list-style-type: none"> Filter system P 31 with long-term filter cartridge TRIPLEX
<ul style="list-style-type: none"> B-Timer
<ul style="list-style-type: none"> Filling device PN 200 bar, 3 filling connections each consisting of: 1 filling hose, 1m long
<ul style="list-style-type: none"> 1 filling valve PN 200 bar. With automatic ventilation and manometer

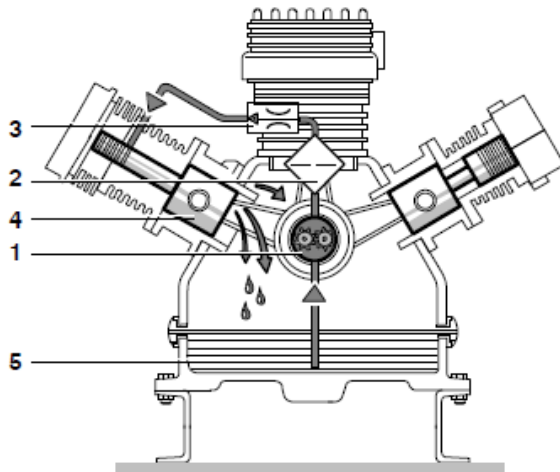
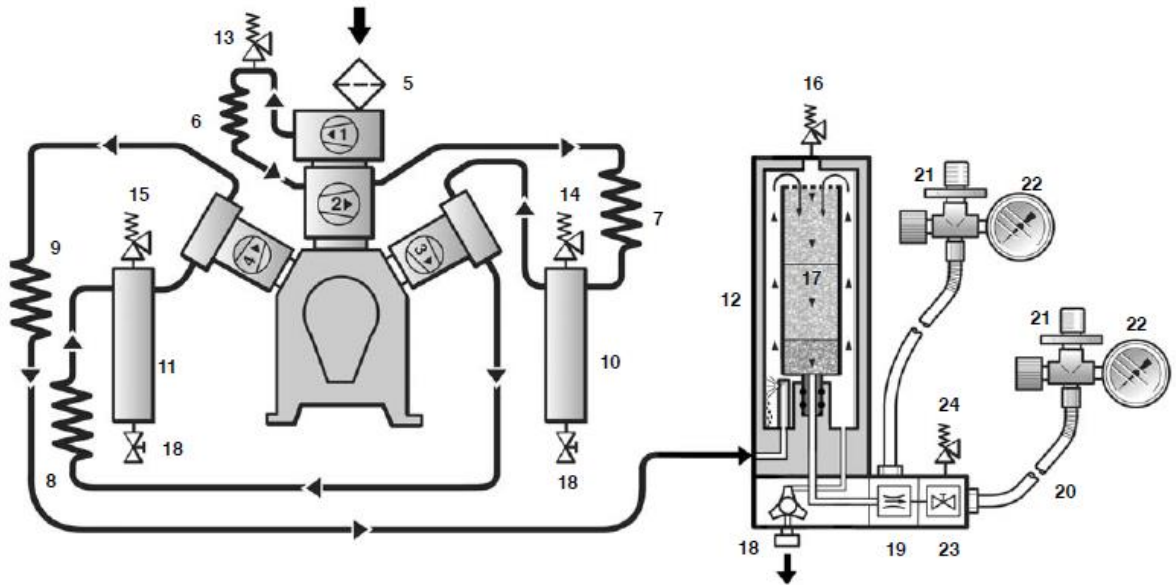


Abb. 35 Lube oil circuit

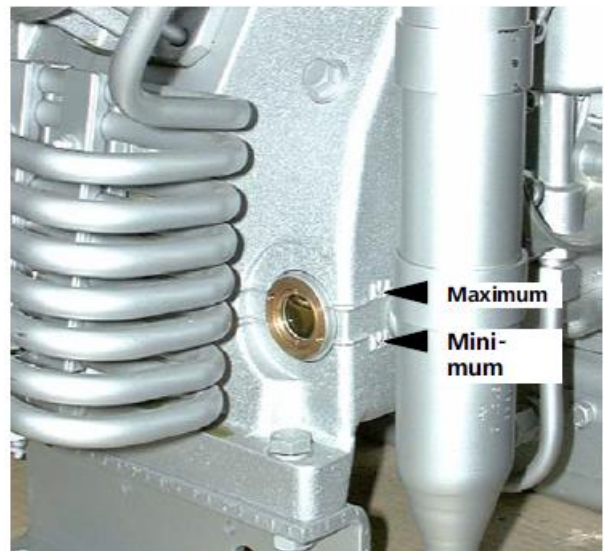


Abb. 36 Oil sight gauge