

TECHNICAL DESCRIPTION

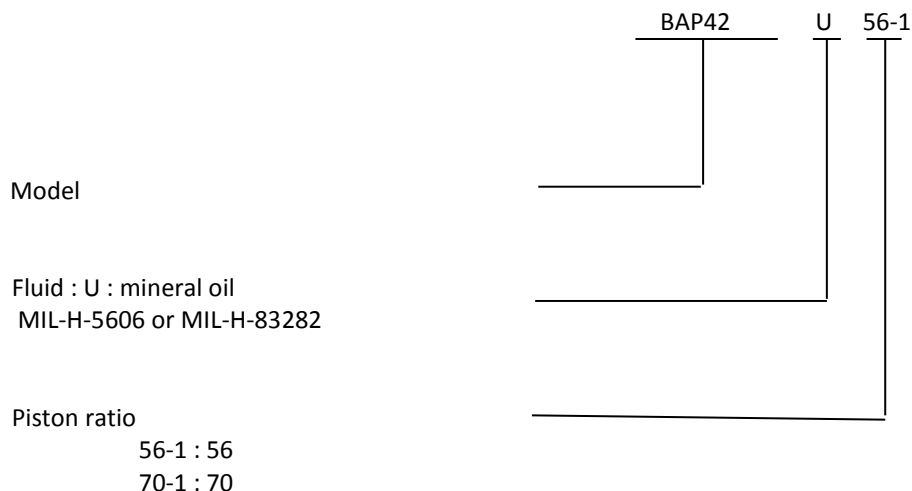
SELF PRESSURISED RESERVOIR BAP42 REPLACING AIRCRAFT HYDRAULIC CIRCUIT FOR USE WITH MOBILE HYDRAULIC TEST STANDS



Non contractual picture



1 Product codification



2 Characteristics

2.1 Performances

Maximum flow rate acceptable	Adjustable up to 110 lpm (29 USgpm)
Pressure on high pressure line	420 bar max
Maximum hydraulic power (consumption)	28 100 Bar x lpm
Capacity of low pressure chamber	6,5 liter
Piston ratio	56:1 or 70:1
Low pressure piston diameter	200 mm
High pressure piston diameter	26 mm
Diameter of piston on Low Pressure side	200 mm
Diameter of piston on High Pressure side	26,7 mm (ratio 56-1), 23.9 mm (ratio 70-1)

2.2 Dimensions – weight

Length	570 mm
Width	570 mm
Height	1450 mm
Weight	90 kg

2.3 Fluid

Fluid	MIL-H-5606 or MIL-H-83282 Class 5 minimum according to AIR 1653A regulation
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3 Description

The self-pressurised reservoir BAP42 is used to simulate the aircraft reservoir in order to test the mobile hydraulic test stand.

3.1 Detailed description

The self-pressurised reservoir is composed of:

- ✓ A frame made of steel with 4 swivel castors, a drain pan
- ✓ HP and LP pistons
- ✓ A high pressure circuit equipped with quick disconnect coupling (quoted separately on request)
- ✓ A low pressure circuit equipped with quick disconnect coupling (quoted separately on request)
- ✓ A manual load valve allowing the control of flow
- ✓ A level indicator
- ✓ A safety diaphragm on the low pressure circuit (setting at 10 bar)

Note : The self-sealing couplings are not included in the BAP42 . They are quoted separately on request.

3.2 Use and operation

Connect the supply circuit of the mobile hydraulic test stand to the HP coupling of the self-pressurized reservoir BAP42.

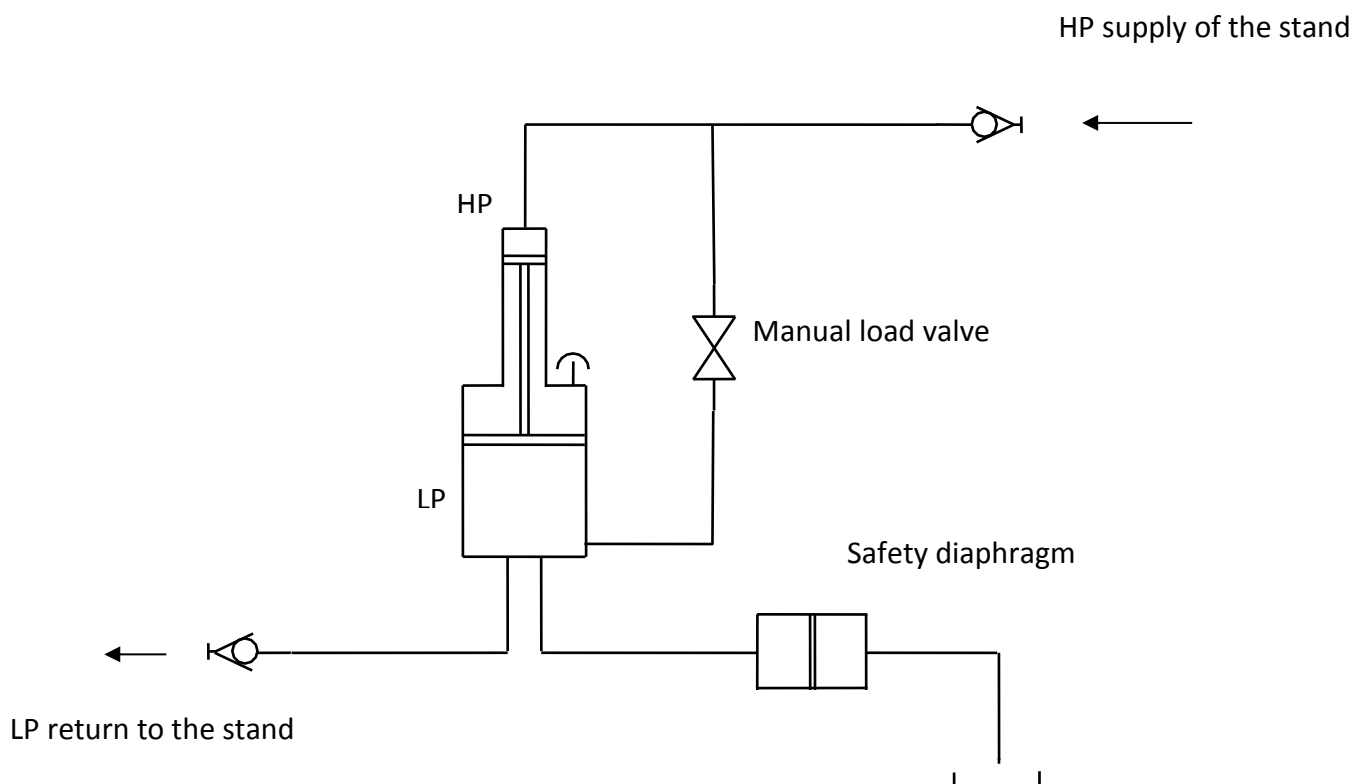
Connect the return circuit of the mobile hydraulic test stand to the LP coupling of the self-pressurized reservoir BAP42.

Shut off the manual load valve of BAP42.

Start the mobile hydraulic test stand and adjust the required flow and pressure.

Adjust the flow delivered to the BAP42 by mean of the manual load valve

Note : In order to get a normal operation of the self-pressurized reservoir, keep the piston out of the mechanical stops (see the visual level)



3.3 Documentation

- User manual with operation and maintenance
- Spare parts catalog
- Certificate of conformity