



GLOBE TEST EQUIPMENT B.V.

Datasheet APU SC10-4-10 Air Driven Pressure Test Unit



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Air Driven High Pressure Test Unit APU SC10-4-10

The APU SC10-4-10 air driven high pressure systems are specially designed for test pressures up to 70 bar (1015 psi) at 7 bar (100 psi) air drive pressure. Commonly used when high pressure is used in a mobile situation. The main energy sources of the high pressure systems are air pressure and fluid.

The frame, valves and tubing used in the APU SC10-4-10 are made of stainless steel and are therefore of a very high quality. Because the system is designed and constructed to be maintenance friendly, the unit has a long lifetime. High pressure testing of many different types of fluids is no problem for our units.



Features

- Portable design, compact and less noise
- Reliable, long lifetime, maintenance friendly
- Hydraulic components and frame made of stainless steel
- A test pressure of 10 bar (145 psi) up to 70 bar (1015 psi). Test pressure of 4 bar (58 psi) up to 70 bar (1015 psi) possible with low pressure option
- Designed for water, oil, emulsion or other fluids
- Free flow rate of 8,5 l/min with a ratio of 10:1
- Pressure hold without air consumption and auto start
- Min. air pressure needed for startup is approx. 1 bar (14,5 psi) (low pressure option available allowing the pump to start up at approx. 0.4 bar (5,8 psi))
- Flow rate and outlet test pressure can be regulated easily and smooth through the air pressure regulator on the inlet
- Special wishes are optional such as a recorder, tank and extra special valves etc.

Suitable applications

- Static or burst testing of hoses, tubing and valves
- Testing of pressure vessels or hydro systems
- Use as an energy source for static or mobile test systems
- Impregnation systems
- Molding systems
- Hydraulic press systems
- Bolt cutter
- Tensioning systems or similar
- Hydrostatic testing – valves, tanks, pressure vessels, pressure switches, hoses, pipes and tubing, cylinders, gas bottles
- Burst and cycle fatigue testing
- Lifting and jacking – lifting tables, scissor jack lift, beam jacking and aircraft jacking
- Hydraulic operation – clamping devices
- Leak testing

Delivered with

- Filter, pressure regulator, oiler and gauge for the air inlet pressure
- Ball valve for pump on/off
- Outlet test pressure with a stainless steel gauge – glyc. filled
- Outlet test pressure with a stainless steel pressure release valve
- Outlet test pressure with a stainless steel manifold block

Technical Specification

Type	Ratio	Max inlet air-pressure	Outlet test pressure	cm ³ / Stroke	Max. Liter/min. (free flow)
APU SC10-4-10	10:1	7 bar (100 psi)	70 bar (1015 psi)	23	8,5

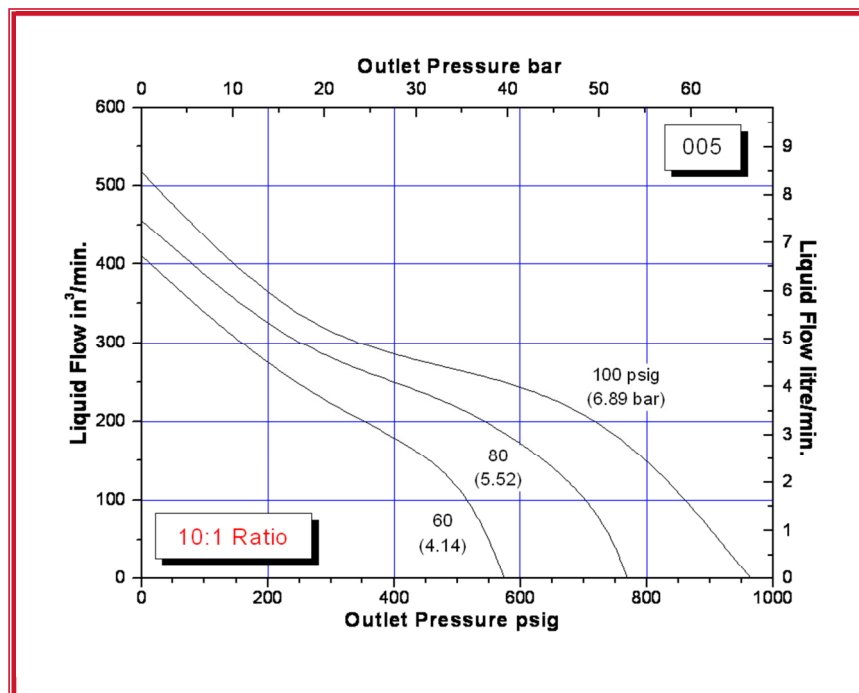
Air inlet connection	Fluid inlet connection (System)	Outlet connection (System)
G1/4"	1/2" BSP F	1/2" NPT F

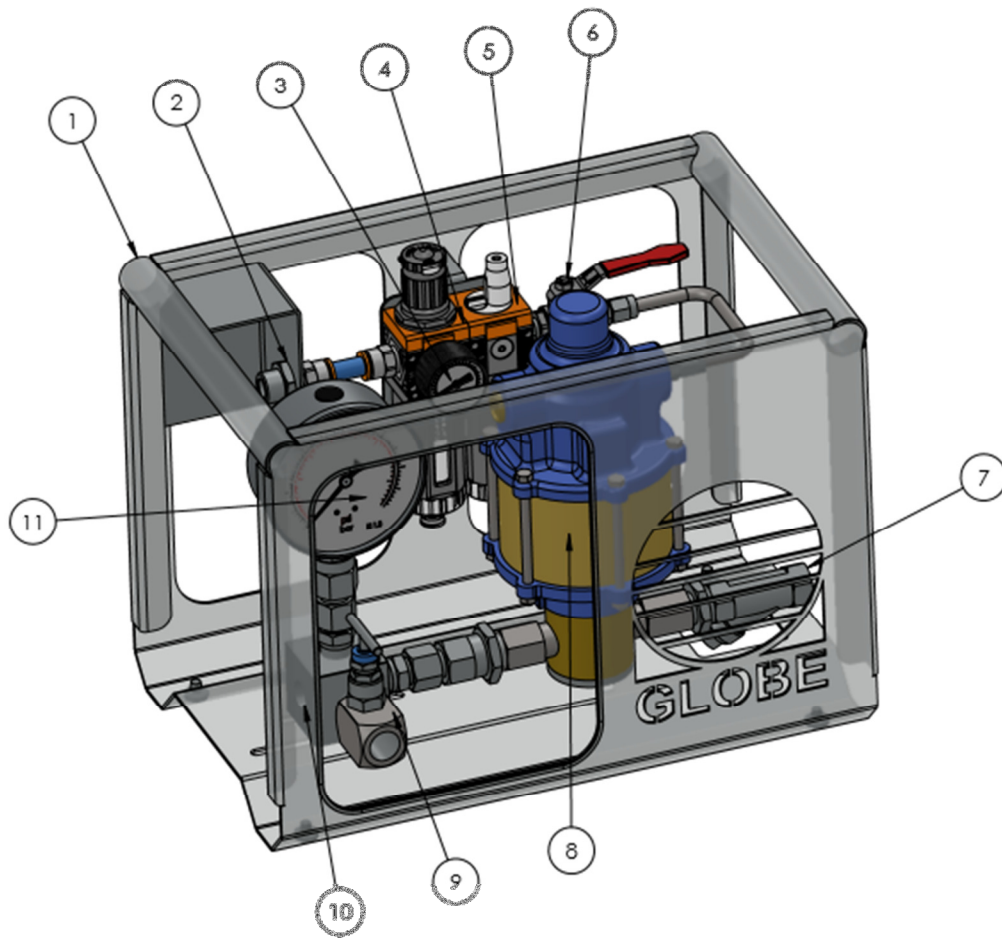
Ambient temperature -0 till 50°C, Air consumption approx. 0,4 m³/min, Lubricated air

Dimensions in mm

Length	Width	Height	Weight kg
400	250	300	approx. 15

Technical specifications are subject to change if necessary





Parts/Construction

Item	Qty.	Description	Material
1	1	Frame 10 – 4 standard	Stainless steel
2	1	Air inlet connection G1/4"	Brass nickel-plated
3	1	Pressure gauge 0-10 bar (0-145 psi)	Brass nickel-plated
4	1	Filter/Reducer	Technopolymer and brass nickel-plated
5	1	Lubricator	Technopolymer and brass nickel-plated
6	1	Ball valve for pump on/off	Brass nickel-plated
7	1	Fluid inlet connection on filter 1/2" BSP	Stainless steel
8	1	SC10-4-10 Test Pump	Alu/Br (stainless steel optional)
9	1	Pressure release valve 1/2" NPT F	Stainless steel
10	1	Pressure outlet connection 1/2" NPT F	Stainless steel
11	1	Pressure gauge 100mm, 0-100 bar (0-1450 psi), filled	Stainless steel