



**GLOBE** TEST EQUIPMENT B.V.

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Datasheet APU SC10-6-5 Air Driven Pressure Test Unit

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## Air Driven High Pressure Test Unit APU SC10-6-5

The APU SC10-6-5 air driven high pressure systems are specially designed for test pressures up to 35 bar (464 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 SC10-6-5 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 5 bar (72 psi) up to 35 bar (464 psi). Test pressure of 2 bar (29 psi) up to 35 bar (464 psi) possible with low pressure option
- Designed for water, oil, emulsion or other fluids
- Free flow rate of 65 l/min with a ratio of 5:1
- 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 <sup>3</sup> / Stroke | Max. Liter/min. (free flow) |
|--------------|-------|------------------------|----------------------|--------------------------|-----------------------------|
| APU SC10-6-5 | 5:1   | 7 bar (100 psi)        | 35 bar (464 psi)     | 290                      | 65                          |

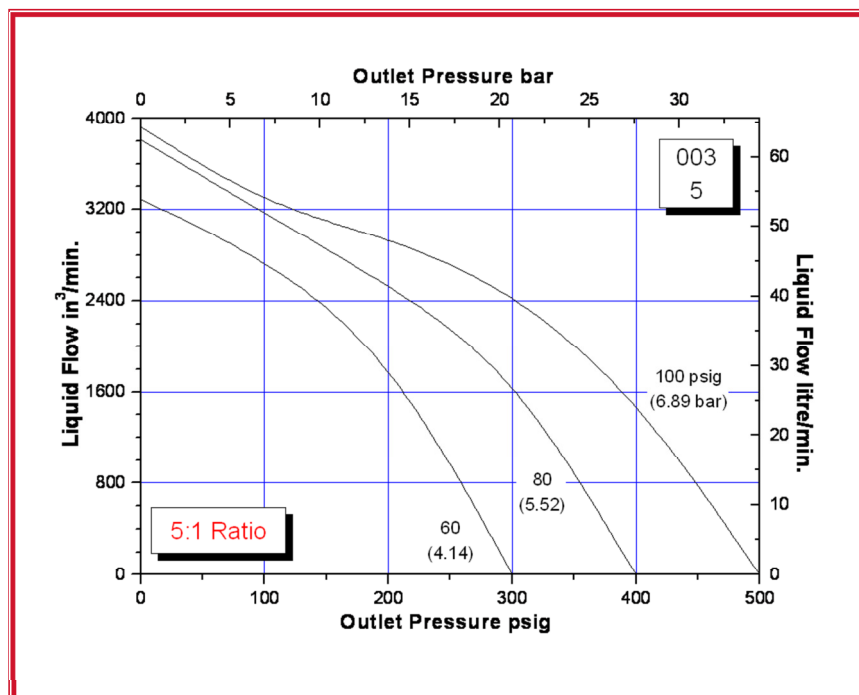
| Air inlet connection | Fluid inlet connection (System) | Outlet connection (System) |
|----------------------|---------------------------------|----------------------------|
| G1/2"                | 1" BSP F                        | 1/2" UNF                   |

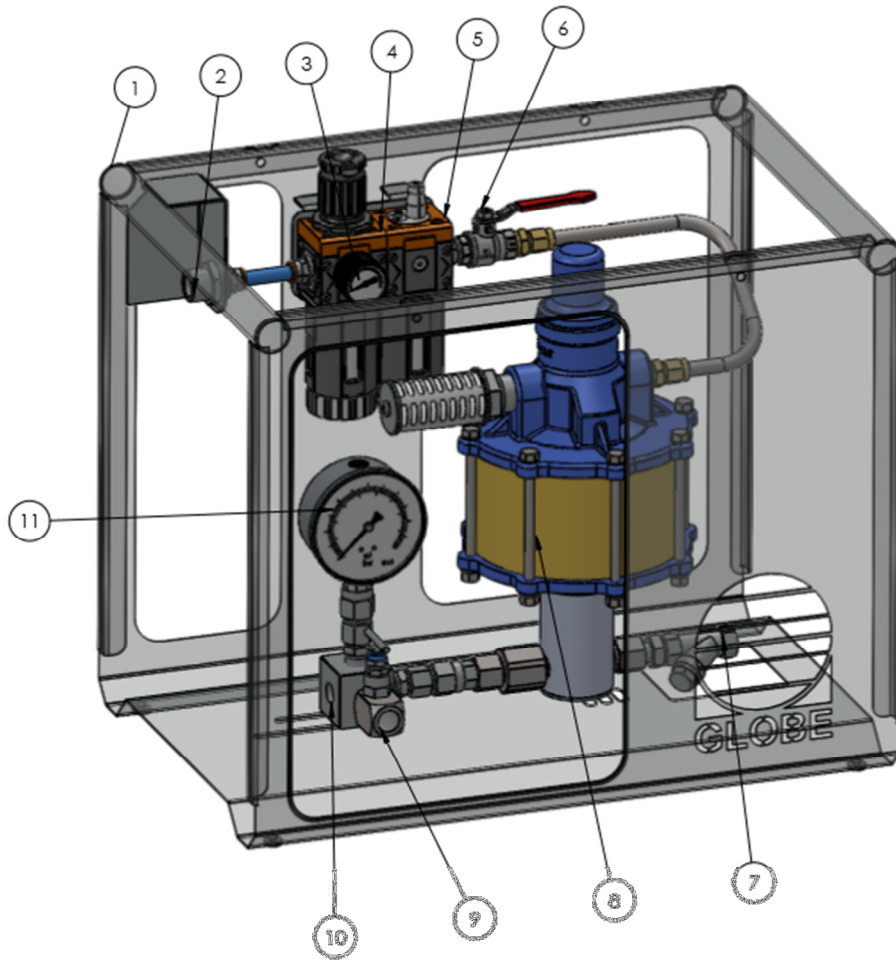
Ambient temperature -0 till 50°C, Air consumption approx. 0,8 m<sup>3</sup>/min, Lubricated air

### Dimensions in mm

| Length | Width | Height | Weight kg  |
|--------|-------|--------|------------|
| 600    | 400   | 500    | approx. 35 |

Technical specifications are subject to change if necessary





**Parts/Construction**

| Item | Qty. | Description  | Material                              |
|------|------|--|---------------------------------------|
| 1    | 1    | Frame 10 – 6 standard                              | Stainless steel                       |
| 2    | 1    | Air inlet connection G1/2"                         | 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    | SC10-6-5 Test Pump                                 | Alu/Br<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, 0-40 bar (0-580 psi), filled | Stainless steel                       |