

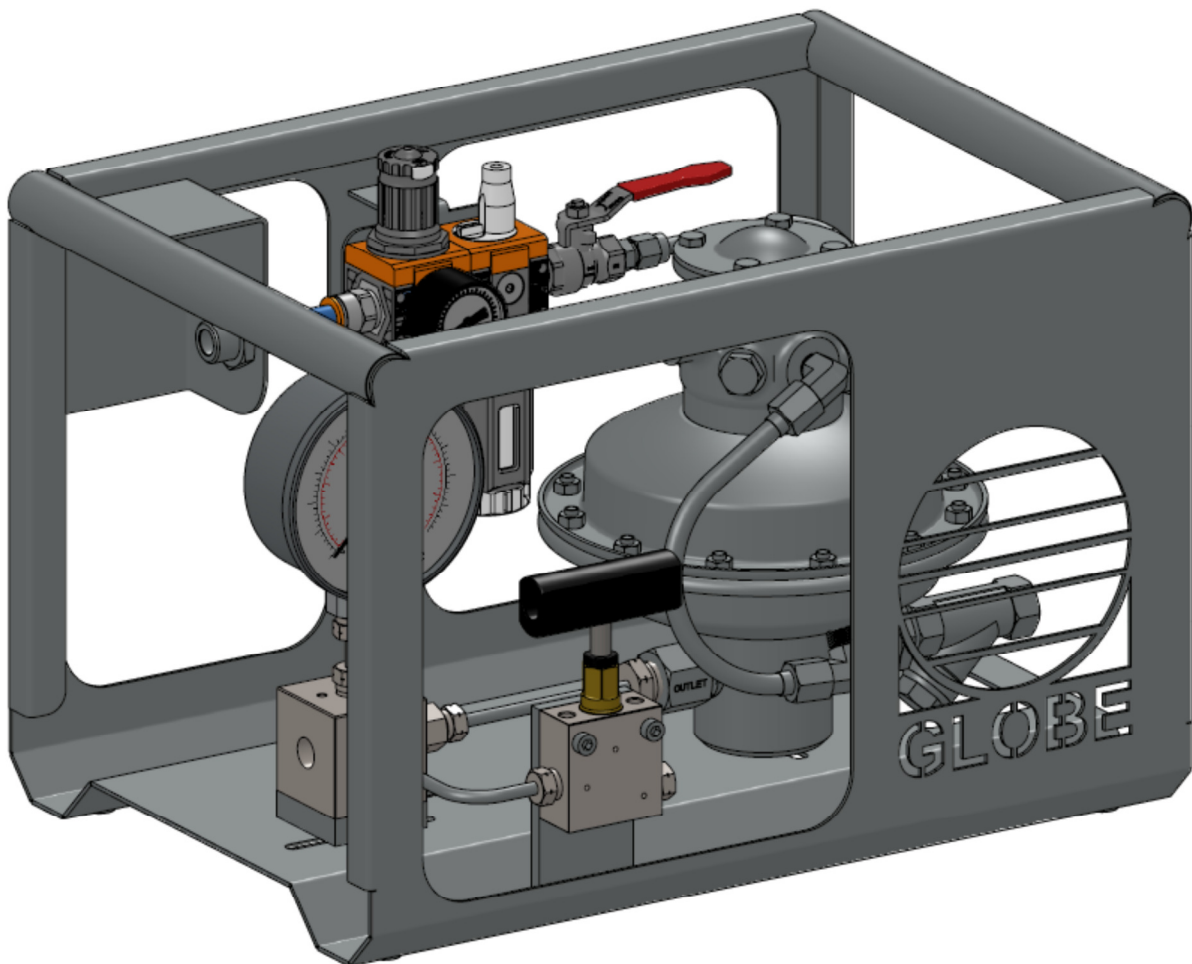


**GLOBE** TEST EQUIPMENT B.V.

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Datasheet APU S-216-J Air Driven Pressure Test Units

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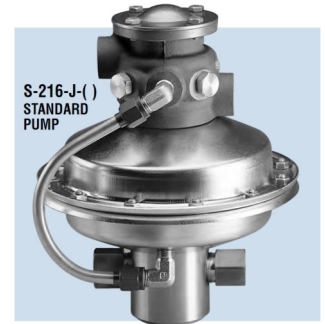
Boerhaaveweg 9-11  
2408 AD Alphen a/d Rijn  
The Netherlands

Tel: +31 (0) 172 426 608  
E-mail: [info@globe-benelux.nl](mailto:info@globe-benelux.nl)  
Web: <http://www.globe-benelux.nl>

## Air Driven High Pressure Test Unit APU S-216-J

The APU S-216-J air driven high pressure systems are specially designed for test pressures up to 2310 bar (33500 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 S-216-J 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
- Designed for water, oil, emulsion or other fluids
- Pressure hold without air consumption and auto start
- Min. air pressure needed for startup is approx. 1 bar (14,5 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 Specifications

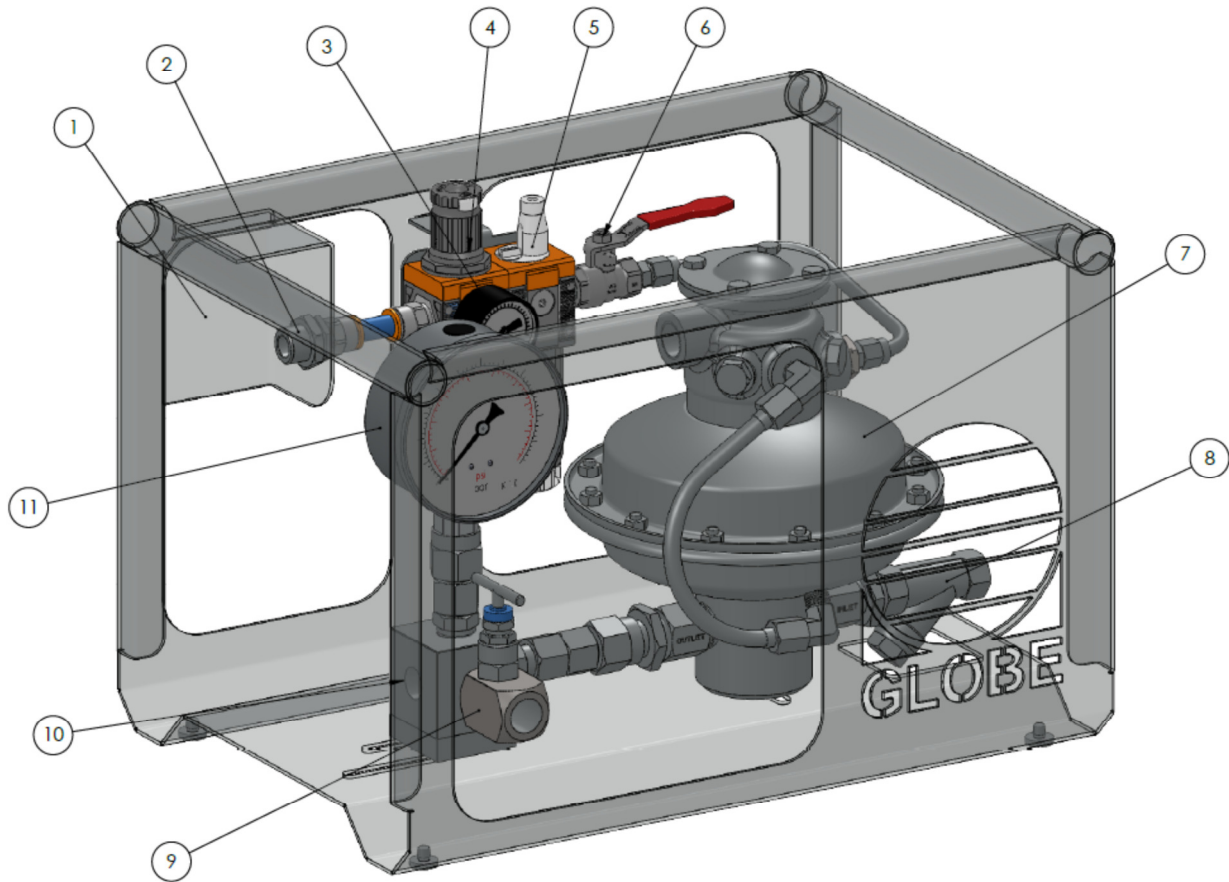
Type	Ratio	Max inlet air-pressure	Outlet test pressure	Cu.in / Stroke	Max. Liter/min. (free flow)
APU S-216-J-10	10:1	7 bar (100 psi)	69 bar (1000 psi)	3.26	9.1
APU S-216-J-20	20:1	7 bar (100 psi)	128 bar (1850 psi)	1.75	7.9
APU S-216-J-30	30:1	7 bar (100 psi)	214 bar (3100 psi)	1.04	5.4
APU S-216-J-35	35:1	7 bar (100 psi)	317 bar (4600 psi)	0.71	4.9
APU S-216-J-60	60:1	7 bar (100 psi)	420 bar (6100 psi)	0.53	3.5
APU S-216-J-100	100:1	7 bar (100 psi)	607 bar (8800 psi)	0.37	2.8
APU S-216-JB-125	125:1	7 bar (100 psi)	862 bar (12500 psi)	0.27	2.1
APU S-216-JB-150	150:1	7 bar (100 psi)	1103 bar (16000 psi)	0.21	1.3
APU S-216-JB-200	200:1	7 bar (100 psi)	1637 bar (23750 psi)	0.13	0.9
APU S-216-JB-300	300:1	7 bar (100 psi)	2310 bar (33500 psi)	0.92	0.6

### Dimensions in mm

Length	Width	Height	Weight kg
500	300	370	approx. 25

Type	Air inlet connection	Fluid inlet connection (System)	Outlet connection (System)
APU S-216-J-10	G3/8"	3/8" BSP F	1/2" NPT F
APU S-216-J-20	G3/8"	3/8" BSP F	1/2" NPT F
APU S-216-J-30	G3/8"	3/8" BSP F	1/2" NPT F
APU S-216-J-35	G3/8"	3/8" BSP F	1/2" NPT F
APU S-216-J-60	G3/8"	3/8" BSP F	1/2" NPT F
APU S-216-J-100	G3/8"	3/8" BSP F	1/2" NPT F
APU S-216-JB-125	G3/8"	1/4" BSP F	9/16-18 UNF F
APU S-216-JB-150	G3/8"	1/4" BSP F	9/16-18 UNF F
APU S-216-JB-200	G3/8"	1/4" BSP F	9/16-18 UNF F
APU S-216-JB-300	G3/8"	1/4" BSP F	9/16-18 UNF F

Technical specifications are subject to change if necessary



**Parts/Construction**

Item	Qty.	Description	Material
1	1	Frame APU S-216-J standard	Stainless steel
2	1	Air inlet connection G3/8"	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 (see chart)	Stainless steel
8	1	S-216-J(B) Test Pump	Stainless steel (liquid body)
9	1	Pressure release valve 1/2" NPT F (until 630 bar) Pressure release valve 9/16-18 UNF F (above 630 bar)	Stainless steel
10	1	Pressure outlet connection 1/2" NPT F (until 630 bar) Pressure outlet connection 9/16-18 UNF F (above 630 bar)	Stainless steel
11	1	Pressure gauge 100mm, filled	Stainless steel