

Technical Data Sheet

Model –

HPU-AZ-1-10H-N*-L**/options



HPU-AZ-1 SERIES

Air operated, hydraulic power pack for pressure testing, chemical injection and hydraulic power.

Features:

- Infinitely variable output pressure and flow
- Holds static pressure without generating heat or consuming power.
- Standard models are suitable for oil or water applications
- Well proven and trouble free operation
- Designed for ease of maintenance
- Low cost servicing
- Robust construction

Performance Data

Max Rated Output Pressure	1,000psi (70bar)
Output Per Cycle	2.58 in ³ (42cc)
Max Flow	1,409 in ³ /min (23.1 litre/min)
Max Air Supply Pressure	100psi (7bar)
Ratio	10 : 1
Air Consumption	28 scfm (800 NI/min)
Tank Capacity	2.5 Gallons (11.4 litres)

Seal options (N*)

N* (Standard)	Nitrile (Buna-N) Main Seal and Check Valve Seals
V	Viton (FKM) Main Seal and Check Valve Seals
C	Chemraz (FFKM) Main Seal and Check Valve Seals

Construction

Frame and Tank	Stainless Steel
Air Motor	Anodised Aluminium / Wound Composite / Nitrile (Buna-N) Seals
Hydraulic Cylinder	Stainless Steel
Piston	Stainless Steel + Chrome Finish
Outlet Port	Stainless Steel
L1** (Standard)	Nylon / Copper / Brass, Hydraulic / Air Inlet & Plated Steel Silencer
L2** (Optional)	Stainless Steel, Hydraulic / Air Inlet & Silencer

Connections

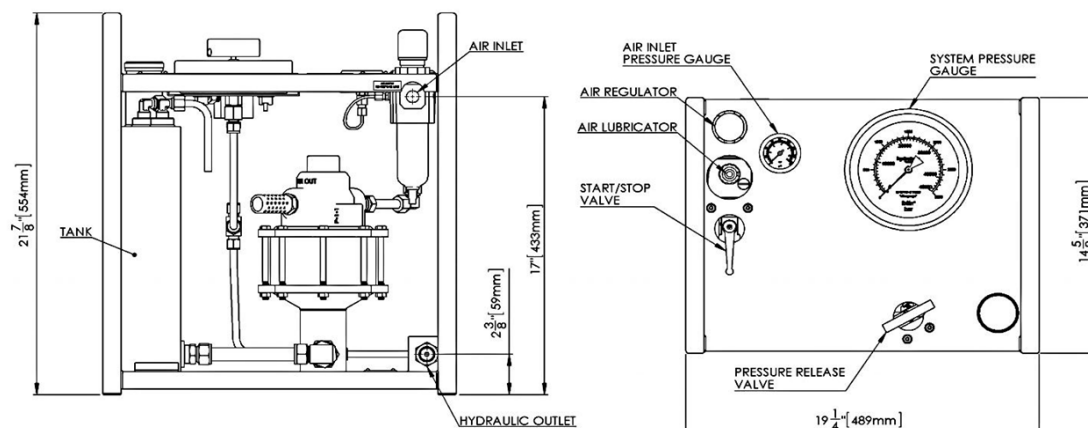
Hydraulic Outlet	1/2"NPT(F)
Air Inlet	3/8"BSPP(F)
Net Weight	25kg (55lb)

Common options (but not limited to)

/A	ATEX (94/9/EC) II 2GD c T5
/F	Panel mount digital stroke counter (non ATEX)
/G	Panel mount pneumatic stroke counter
/M	Mild steel painted frame (Painted Blue) + Stainless steel tank (if applicable to the unit)
/O (Over all dimension varies)	Single pen chart recorder complete with recorder isolation valve
/Q	No tank-direct fluid inlet via Y type stainless steel strainer
/T (Over all dimension varies)	Tank bypass
/V	No tank-direct hydraulic inlet via Y type brass strainer
/W	Fitted with wheels

General Layout Drawing

Model – HPU-AZ-1-10H



Hydraulic Pressure Static/Stall Conditions

Air Pressure	Hydraulic Pressure
20psi (1.4bar)	180psi (12.4bar)
40psi (2.8bar)	385psi (26.6bar)
60psi (4bar)	590psi (40.7bar)
80psi (5.5bar)	795psi (54.8bar)
100psi (7bar)	1,000psi (70bar)

Flow Curve

AZ-1-10 Ratio 10:1

