



*SPECIALISING IN THE DESIGN, MANUFACTURE AND SUPPLY OF
HIGH PRESSURE EQUIPMENT*

Technical Data Sheet

Model – **PU-AZ-2-21H-N*-L**/options**



AZ-2 SERIES

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

Features:

- Infinitely variable output pressure and flow
- Will hold static pressure without generating heat or consuming power.
- Standard models are suitable for oil or water applications
- Well proven and trouble free operation

Performance Data

Max Rated Output Pressure	2,150psi (148bar)
Output Per Cycle	4.06 in ³ (66.5cc)
Max Flow	976 in ³ /min (16 litre/min)
Max Air Supply Pressure	100psi (7bar)
Ratio	21 : 1
Air Consumption	56 scfm (1,586 NI/min)

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

Air Motor	Anodised Aluminium / Wound Composite / Nitrile (Buna-N) Seals
Hydraulic Cylinder	Stainless Steel
Piston	Stainless Steel + Chrome Finish
Check Valves	Stainless Steel (Seals as per Selected Seal Option)
L1** (Standard)	Plated Steel Air Motor Studs
L2** (Optional)	Stainless Steel Air Motor Studs

Connections

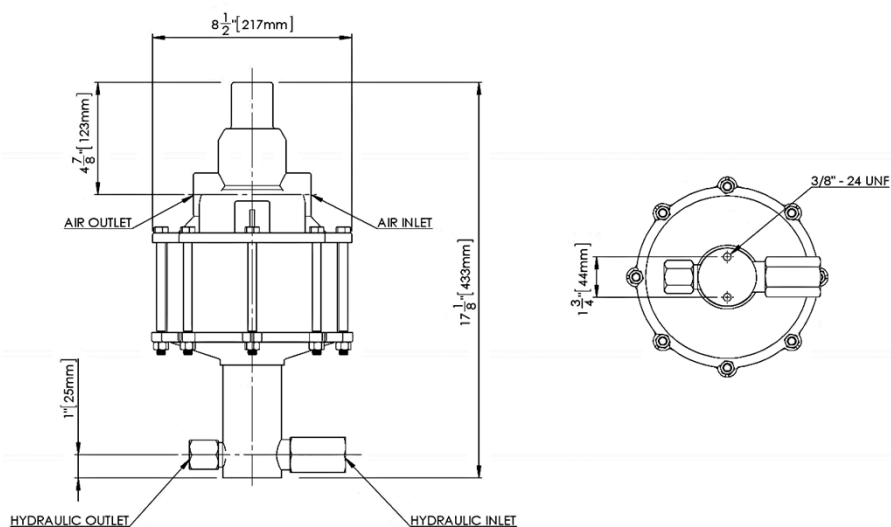
Hydraulic Inlet	1"NPT(F)
Hydraulic Outlet	1/2"NPT(F)
Air Inlet	1/2"NPT(F)
Silencer Air Outlet	1"NPT(F)
Net Weight	9kg (20lb)

Common options (but not limited to)

/A	ATEX (94/9/EC) II 2GD c T5
/L	Low pressure start for air motor
/N	Greased for life lubricated air motor

General Layout Drawing

Model – PU-AZ-2-21H



Hydraulic Pressure Static/Stall Conditions

Air Pressure	Hydraulic Pressure
20psi (1.4bar)	425psi (29.3bar)
40psi (2.8bar)	875psi (60.3bar)
60psi (4bar)	1,300psi (89.7bar)
80psi (5.5bar)	1,750psi (121bar)
100psi (7bar)	2,150psi (148bar)

Flow Curve

AZ-2-21 Ratio 21:1

