


TECHNICAL DATA SHEET

PRODUCT	PU-AZ-1-425H-N*-L**/options	
SERIES	AZ-1 Single Acting 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	42,500psi (2,931bar)
Output Per Cycle	0.061 in ³ (1cc)
Max Flow	26 in ³ /min (0.43 litre/min)
Max Air Supply Pressure	100psi (7bar)
Ratio	425 : 1
Air Consumption	28 scfm (800 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
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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

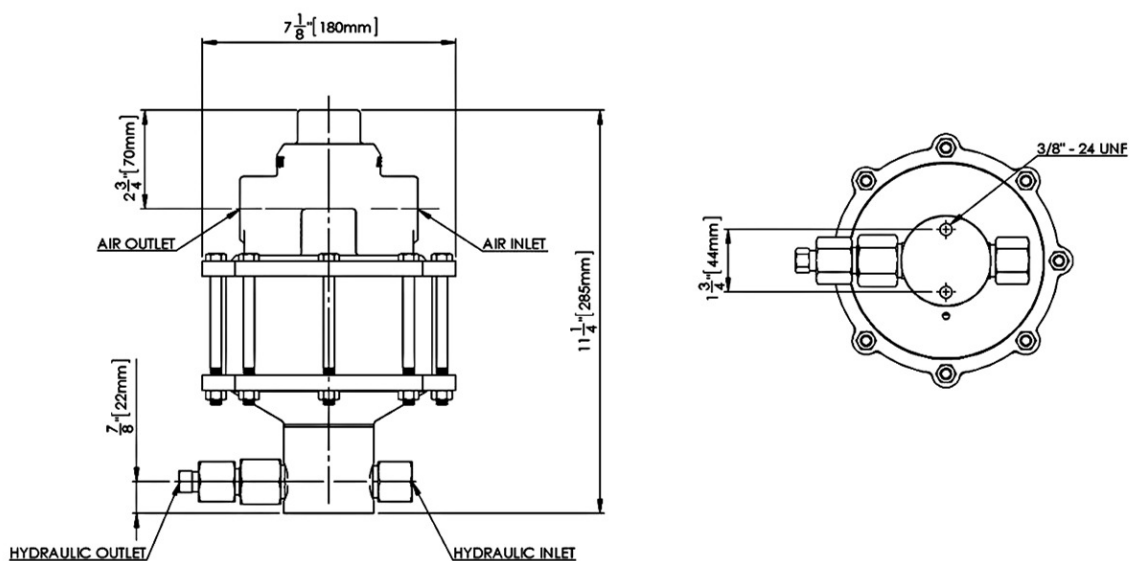
Hydraulic Inlet	3/8" NPT(F)
Hydraulic Outlet	1/4" HP(F)
Air Inlet	1/2" NPT(F)
Silencer Air Outlet	3/4" NPT(F)
Net Weight	7kg (15.5lb)

COMMON OPTIONS (BUT NOT LIMITED TO)

/ A	ATEX - Zone 1 Category II
/ L	Low pressure start for air motor
/ N	Greased for life lubricated air motor

GENERAL LAYOUT DRAWING

Model: PU-AZ-1-425H



HYDRAULIC PRESSURE STATIC / STALL CONDITIONS

AIR PRESSURE	HYDRAULIC PRESSURE
20psi (1.4bar)	8,000psi (552bar)
40psi (2.8bar)	16,500psi (1,138bar)
60psi (4bar)	25,500psi (1,759bar)
80psi (5.5bar)	34,000psi (2,345bar)
100psi (7bar)	42,500psi (2,931bar)

FLOW CURVE AZ-1-425 - Ratio 425:1

