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# **TECHNICAL DATA SHEET**

PRODUCT	PU-AZ-1-275H-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**

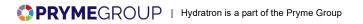
Max Rated Output Pressure	27,500psi (1,897bar)	
Output Per Cycle	0.096 in <sup>3</sup> (1.6cc)	
Max Flow	44 in³/min (0.72 litre/min)	
Max Air Supply Pressure	100psi (7bar)	
Ratio	275 : 1	
Air Consumption	28 scfm (800 NI/min)	

## **SEAL OPTIONS (N\*)**

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

## CONSTRUCTION

Air Motor	Anodised Aluminium / Wound Composite / Nitrile (Buna-N) Seals
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## **Technical Data Sheet**

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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

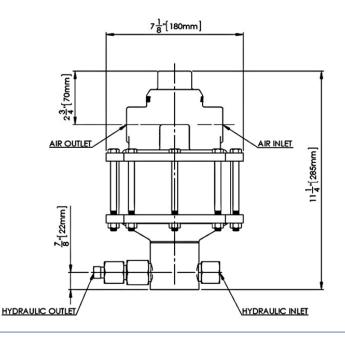
Hydraulic Inlet	3/8" NPT(F)
Hydraulic Outlet	1/4" HP(F)
Air Inlet	1/2" NPT(F)
Silencer Air Outlet	3/4" NPT(F)
Net Weight	7kg (15.5lb)

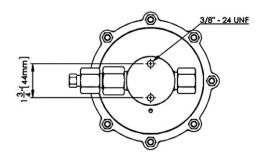
# COMMON OPTIONS (BUT NOT LIMITED TO)

/ A	ATEX (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-1-275H







### **Technical Data Sheet**



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# HYDRAULIC PRESSURE STATIC / STALL CONDITIONS

AIR PRESSURE	HYDRAULIC PRESSURE
20psi (1.4bar)	4,000psi (276bar)
40psi (2.8bar)	10,500psi (724bar)
60psi (4bar)	16,250psi (1,121bar)
80psi (5.5bar)	21,500psi (1,483bar)
100psi (7bar)	27,500psi (1,897bar)

# **FLOW CURVE**

AZ-1-275 - Ratio 275:1

