HYDRATRON

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TECHNICAL DATA SHEET

PRODUCT	**HPU-LW-1-5H-N*-L**/options**
SERIES	**HPU-LW-1 Single Acting** 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	465psi (32bar)
Output Per Cycle	5.54 in³ (91cc)
Max Flow	1,848 in³/min (30.3 litre/min)
Max Air Supply Pressure	100psi (7bar)
Ratio	5 : 1
Air Consumption	28 scfm (800 Nl/min)
Tank Capacity	1.65 Gallons (7.5 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 Frame & Plastic Tank
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 and Plated Steel Silencer
L2** (optional)	Stainless Steel, Hydraulic / Air Inlet and Silencer

CONNECTIONS

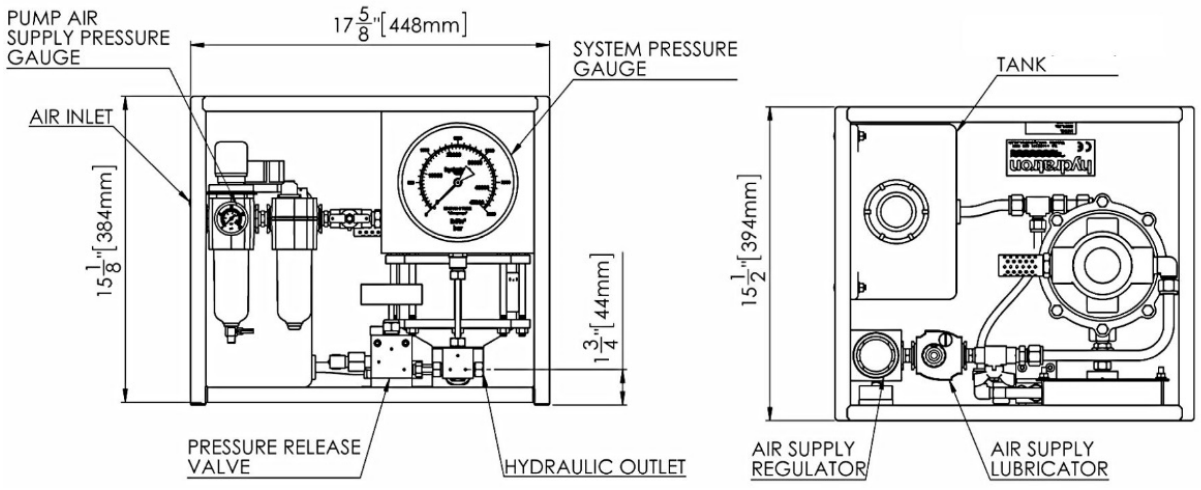
Hydraulic Outlet	1/2" NPT(F)
Air Inlet	3/8" BSPP(F)
Net Weight	19kg (42lb)

COMMON OPTIONS (BUT NOT LIMITED TO)

/ A	ATEX - Zone 1 Category II
/ Q	No tank-direct fluid inlet via Y type stainless steel strainer
/ V	No tank-direct hydraulic inlet via Y type brass strainer

GENERAL LAYOUT DRAWING

Model: **HPU-LW-1-5H**



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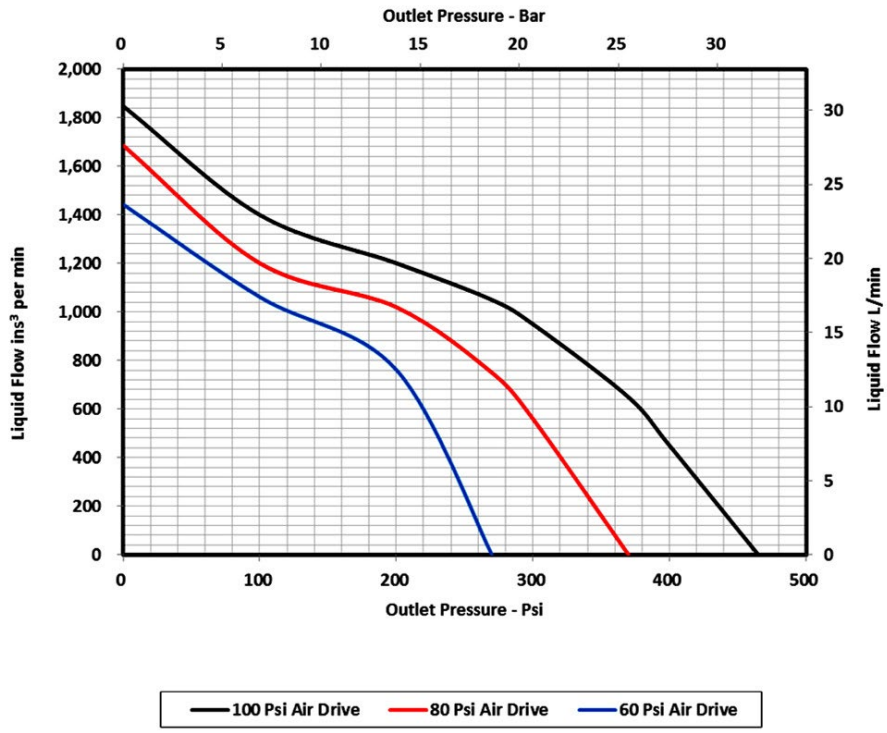
HYDRAULIC PRESSURE STATIC / STALL CONDITIONS

AIR PRESSURE	HYDRAULIC PRESSURE
20psi (1.4bar)	75psi (5.2bar)
40psi (2.8bar)	175psi (12bar)
60psi (4bar)	270psi (18.6bar)
80psi (5.5bar)	370psi (25.5bar)
100psi (7bar)	465psi (32bar)

FLOW CURVE

HPU-LW-AZ-1-5 - **Ratio 5:1**



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