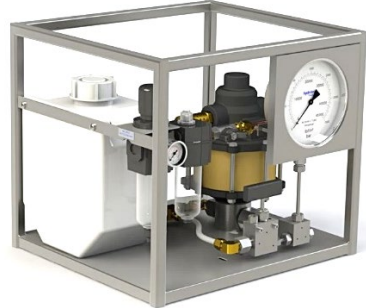


## TECHNICAL DATA SHEET

PRODUCT	<b>HPU-LW-2-144H-N*-L**/options</b>	
SERIES	<b>HPU-LW-2 Single Acting</b>  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	14,400psi (993bar)
Output Per Cycle	0.621 in <sup>3</sup> (10.17cc)
Max Flow	165 in <sup>3</sup> /min (2.7 litre/min)
Max Air Supply Pressure	100psi (7bar)
Ratio	144 : 1
Air Consumption	56 scfm (1,586 NI/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 & Plated Steel Silencer
L2** (optional)	Stainless Steel, Hydraulic / Air Inlet & Silencer

**CONNECTIONS**

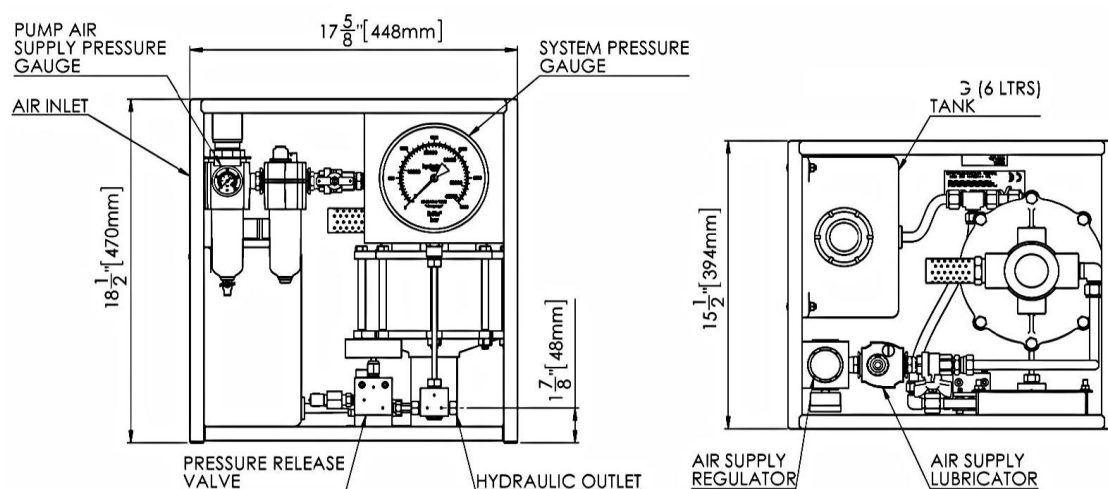
Hydraulic Outlet	3/8" MP(F)
Air Inlet	1/2" BSPP(F)
Net Weight	24kg (53lb)

**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-2-144H



## HYDRAULIC PRESSURE STATIC / STALL CONDITIONS

AIR PRESSURE	HYDRAULIC PRESSURE
20psi (1.4bar)	2,600psi (179bar)
40psi (2.8bar)	5,550psi (383bar)
60psi (4bar)	8,500psi (586bar)
80psi (5.5bar)	11,500psi (793bar)
100psi (7bar)	14,400psi (993bar)

## FLOW CURVE

HPU-LW-AZ-2-144 - Ratio 144:1

