

# DATA SHEET – 316SS

## AIR REGULATION, FILTRATION AND LUBRICATION ASSEMBLY

### Overview

Pressure Dynamics' Air Regulation, Filtration & Lubrication Assemblies are used across a variety of industries and applications.

Designed as robust, light-weight and corrosion-resistant units containing industry standard hydraulic components for plug-and-play system / equipment application and integration.

### Standard Specification

<b>Supply Pressure</b>	0 - 150 psig   0 – 10.3 bar
<b>Secondary Pressure</b>	2 – 125 psig   0 – 8.6 bar
<b>Flow Capacity</b>	90 scfm (42.5 dm <sup>3</sup> /s, ANR)
<b>Operating Temperature</b>	0oC – 52oC
<b>Typical Design Life</b>	20 years
<b>Pressure Gauge</b>	150 psi Moduflex
<b>Isolation</b>	Gate Valve
<b>Connections</b>	316SS MinsupA inlet /outlet
<b>Frame</b>	316 Stainless Steel



### Operational Advantages

#### Unit

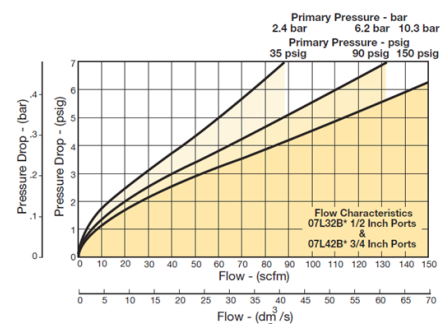
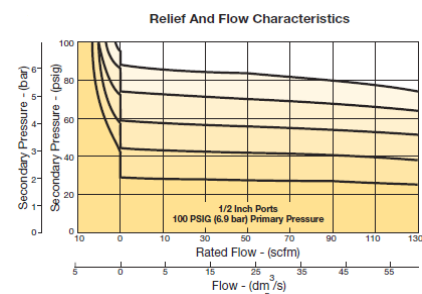
- Lightweight design for minimum equipment weight.
- Complete frame for stability and protection.
- High corrosion resistant design.
- Custom- modification available to suit customer requirements

#### Filter/Regulator

- Quick response, and accurate pressure regulation regardless of changing flow or inlet pressure.
- Excellent water removal efficiency. Rolling diaphragm for extended life

#### Mist Lubricator

- Proportional oil delivery over a wide range of air flows.
- Precision needle valve assures repeatable oil delivery and provides simple adjustment of delivery rate.
- Bowl can be filled while air line is under pressure.
- Transparent sight dome for 360° visibility



# ABOUT PRESSURE DYNAMICS

Pressure Dynamics is an engineering and services contractor specialising in hydraulic and lifting solutions.

Our team of highly skilled project managers, engineers and technicians are committed to collaborating with our clients in providing innovative, quality-assured services and products that deliver superior function, reliability and safety.

When we deliver, we focus on:



## RELIABILITY

Optimising equipment and system performance - to maximise your ROI.



## PRODUCTIVITY

Maximising operational reliability of assets and equipment safely and cost-effectively.



## INNOVATIVE SOLUTIONS

Developing creative, fit-for-purpose solutions to meet our client's true needs and objectives.



## RISK MANAGEMENT

Delivering and maintaining quality, cost-effective and safe equipment and assets while mitigating risk.



## MUTUAL SUSTAINABILITY

Delivering skill, knowledge and understanding through our documentation, user-intuitive products and training services.

## Market sectors we operate in:



Oil & Gas



Mining



Marine



Defence



Infrastructure



Power & Utilities

## Our location network



Abu Dhabi, UAE  
Ghana, W Africa

