

Equipment

Designation	Part number
Paintcare Back Pressure Regulator BPR-L	155275010

Spare Parts

Designation	Part number
Diaphragm Kit for BPR-L	155275019




Paintcare BPR-L

Back Pressure Regulator

Airspray / Regulators



SHEAR STRESS IS NO LONGER AN ISSUE

-  No shear for the paint
-  Compact & reversible
-  Robust design for longlife

Markets



BOND • PROTECT • BEAUTIFY



Paintcare BPR-L

Back Pressure Regulator

Do you have to clean filters and regulators every month?
 Do you have color match issue for some colors?
 It could come from your back pressure regulator!

The **Back pressure regulator** is key for the paint circulating system. The paint will remain good to spray only if the paint composition is not damaged during its circulation in the pipes.

The shear stress done on the paint may separate the pigments which is visible on the painted parts with a color matching issue.

Moreover, the shear stress may create some sediments in the circulating pipes, which either make grain defects on bodies, either may clog filters. If filters are getting obstructed, a higher pressure in the PCS will be required to maintain the correct paint flow, increasing the shear stress again, and the energy consumption of circulating pumps.

Our Paintcare BPR-L makes **3.5 LESS shear stress than competition**. Your paint lasts longer time, your filters remain free of sediments, your pumps are easily working in the correct range of flow rate.

Take care of your paint with Paintcare back pressure regulator and electric pumps.



Technical data table

Designation	Value	Unit: metric (US)
Maximum Fluid Pressure	25 (360)	bar (psi)
Weight	2.8 (6.17)	kg (lbs)
Outlet Pressure - Regulated Range	3-20 (45-290)	bar
Max Working Temperature	35	°C
Height	6.1 (2.4)	cm (in)
Diameter	13 (5.1)	cm (in)
Wetted Shares: Stainless Steel, PTFE, Carbide	Stainless steel, PTFE	
Product Minimum Flow Rate (in a wide passage)	5 (1.3)	l/mn (gal/mn)
Product Maximum Flow Rate (in a wide passage)	40 (10.5)	l/mn (gal/mn)



Driven Regulator

Performance

- 1 Lowest shear stress solution
- 2 Best flushing ability
- 3 Lowest paint carryover

Productivity

- 4 Reversible regulator
- 5 Very compact (160x130x61)
- ◆ Saves square meters

Sustainability

- 6 2 diaphragms for reduced work & longer lifetime
- 7 High quality of construction
- 8 Construction Simplicity, few spare parts



Technologies



Description

