



Low Shear BPR

Minimize Shear & Maximize Service Life

With manufacturers using more shear sensitive, high solid materials now than ever before, Graco's low shear back pressure regulator (BPR)...

- Minimizes material waste caused by paint shear
- Maximizes service life with Ultralife® ceramic coated parts that withstand high wear

Best-in-class performance in maintaining pressure constant with a broad range of flow rates means lowest amount of cumulated paint shear.

Low profile, compact design and backwards compatibility mean easy installation and replacement.

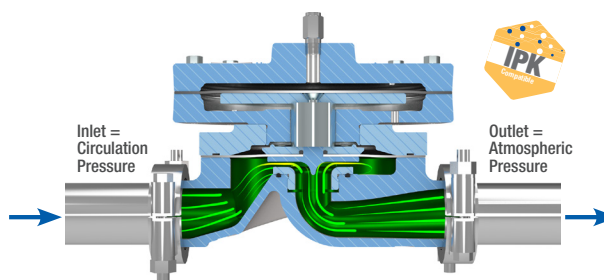


25R457



25R488

Innovative flow path geometry provides industry-leading low shear capability that minimizes shear and produces consistent finish quality.



Air operated models 25R487 and 25R457 work with Intelligent Paint Kitchen (IPK) control to reduce energy consumption and paint shear.

Ordering Information

Part No.	Max Pressure psi (bar)	Regulated Pressure psi (bar)	Max Delivery gpm (lpm)	Max Viscosity in CPS	Wetted Parts	Type	Inlet/Outlet	Gauge Port	Gauge Included
25R488	300 (20.7)	25-250 (1.7-17)	10 (38)	1000	SST, Acetal and PTFE	Spring	1.5 in tri-clamp sanitary	1/4 npt(f)	Yes
25R487	300 (20.7)	25-250 (1.7-17)	10 (38)	1000	SST, Acetal and PTFE	Air	1.5 in tri-clamp sanitary	1/4 npt(f)	Yes
25R647	300 (20.7)	25-250 (1.7-17)	25 (95)	1000	SST, Acetal and PTFE	Spring	1.5 in tri-clamp sanitary	1/4 npt(f)	Yes
25R457	300 (20.7)	25-250 (1.7-17)	25 (95)	1000	SST, Acetal and PTFE	Air	1.5 in tri-clamp sanitary	1/4 npt(f)	Yes

Part Number	Description
25T509	Conversion kit - converts a 25R647 (Higher Flow Mechanical) spring-operated back pressure regulator to a pneumatic-operated regulator
25T508	Conversion kit - converts a 25R488 (Lower Flow Mechanical) spring-operated back pressure regulator to a pneumatic-operated regulator
25R842	High-Flo diaphragm repair kit used for 25R647 and 25R457
25T507	Low-Flo diaphragm repair kit used for 25R488 and 25R487

Part Number	Description	Size	Connection	Length
19A834	Adapter	1.5 in sanitary to	2 in NPT	2.1 in (54 mm)
17H273	Adapter		1.25 in NPT	1.9 in (50 mm)
17G576	Adapter		1.5 in NPT	2.2 in (56 mm)
17F440	Adapter		1 in NPT	2.1 in (54 mm)
17K780	Adapter		1 in NPT	female

For installation and operation instructions, use manual [3A7527](#).

All written and visual data contained in this document are based on the latest product information available at the time of publication. Graco reserves the right to make changes at any time without notice.

Call today for product information or to request a demonstration.

877.84GRACO (1-877-844-7226) or visit us at www.graco.com/finishing

