



# Medium Pressure BPRs

## Improve Finishing Process Control

Consistent fluid control is crucial to guaranteeing quality from any finishing process.

Graco back pressure regulators (BPRs) maintain upstream fluid pressure, regardless of flow demand. This allows operators to trigger guns, valves and other flow controls without affecting system pressure.

Medium pressure options include three pneumatic (1000 psi, 2000 psi, 3000 psi) BPRs and one mechanical (3000 psi) BPR.

If your goal is to improve finishing process control, you will benefit from the pneumatic models' ability to:

- Interface with the Graco's Intelligent Paint Kitchen (IPK), controlling pressure and flow without human intervention
- Offer better resolution than other brands, adjusting more accurately to keep fluid pressure at desired levels

If you simply need to improve fluid control without having to add a compressed air line, you will benefit from the mechanical model's easy installation and spring operation.



25T477/25T478



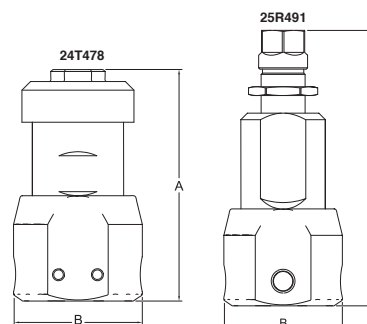
25R490



25R491

## Dimensions

| Part Number | Inlet             | A                 | B                |
|-------------|-------------------|-------------------|------------------|
| 25T478      | Air Operated Type | 4.84 in. (123 mm) | 2.38 in. (60 mm) |
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| 25R490      | Air Operated Type | 4.84 in. (123 mm) | 2.38 in. (60 mm) |
| 25R491      | Mechanical        | 6.25 in. (159 mm) | 2.38 in. (60 mm) |



## Ordering Information

| Part Number | Type       | Maximum Pressure | Regulated Pressure | Flow Rate | Maximum Air Pressure | Inlet/Outlet Size | Wet Parts                                                            |
|-------------|------------|------------------|--------------------|-----------|----------------------|-------------------|----------------------------------------------------------------------|
| 25T478      | Pneumatic  | 3,000 psi        | 100 – 1,000 psi    | 0 – 5 gpm | 100 psi              | 3/8 in. npt       | Stainless Steel,<br>Tungsten Carbide,<br>PTFE, Acetal<br>Homopolymer |
| 25T477      | Pneumatic  | 3,000 psi        | 250 – 2,000 psi    | 0 – 5 gpm | 100 psi              | 3/8 in. npt       |                                                                      |
| 25R490      | Pneumatic  | 3,000 psi        | 250 – 3,000 psi    | 0 – 5 gpm | 100 psi              | 3/8 in. npt       |                                                                      |
| 25R491      | Mechanical | 3,000 psi        | 250 – 3,000 psi    | 0 – 5 gpm | 100 psi              | 3/8 in. npt       |                                                                      |

## Accessories

| Part Number | Type                   | Inlet          | Maximum WPR |     |     | Wetted Parts | Case Description  | Case & Dial Diameter (in/mm) | Mount Style |
|-------------|------------------------|----------------|-------------|-----|-----|--------------|-------------------|------------------------------|-------------|
|             |                        |                | psi         | bar | MPa |              |                   |                              |             |
| 105770      | Stainless Steel Gauges | 1/4 in. npt(m) | 1,000       | 69  | 6.9 | Brass        | SST liquid filled | 2.5 (64)                     | Bottom      |
| 17L706      | Stainless Steel Gauges | 1/4 in. npt(m) | 3,000       | 200 | 20  | SST          | SST liquid filled | 2.5 (64)                     | Bottom      |

For installation and operation instructions, use manual [3A7681](#).

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.

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