

# IPA 40

*Inlet pulse accumulator*

**Bredel**

*Hose Pumps*

## Features and benefits

- Reduces positive and negative peaks when inlet conditions vary
- Eliminates up to 90 % of the pump inlet pulsation
- Provides quieter operation and maximizes hose life
- Low maintenance set-up, suitable for any Bredel and APEX pump with hose size from 25 mm to 100 mm
- Safe handling



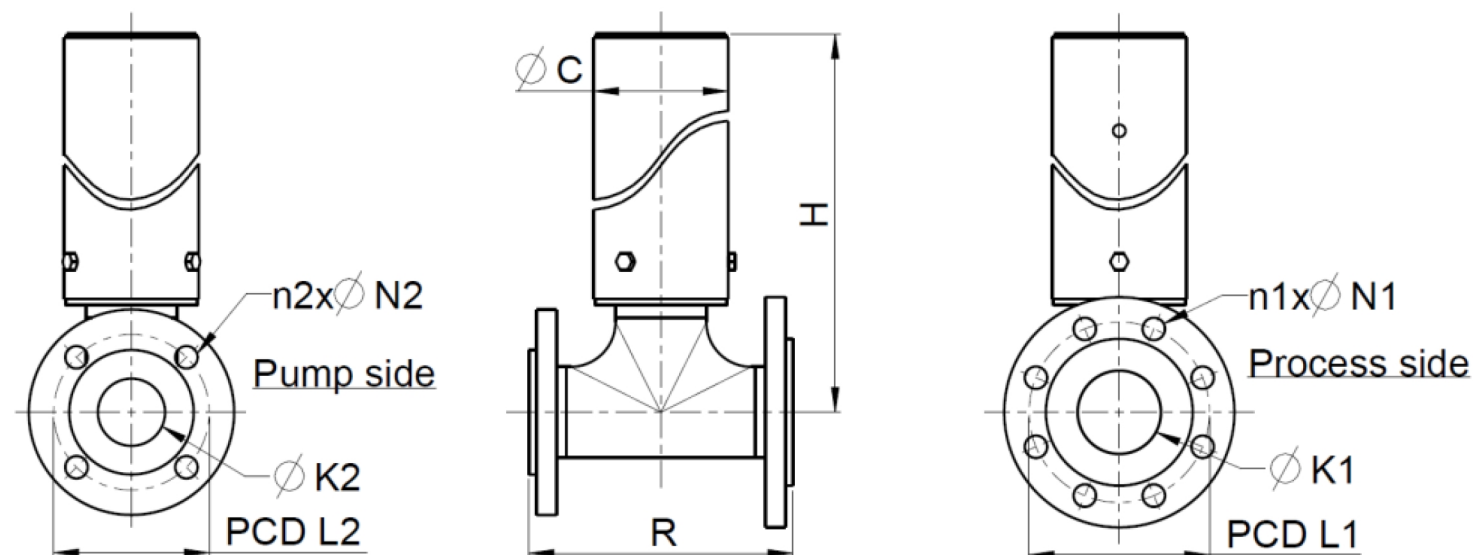
## Technical specifications

|                         | IPA 40                             |
|-------------------------|------------------------------------|
| Max. operating pressure | 87 psi (6 bar)                     |
| Storage temperature     | -40 °F to 158 °F (-40 °C to 70 °C) |
| Product temperature     | 14 °F to 176 °F (-10 °C to 80 °C)  |

## Materials of construction

|                     | IPA 40                   |
|---------------------|--------------------------|
| Hose material       | EPDM, NBR, NR            |
| Housing             | Stainless steel 316      |
| Internal components | PVC, Stainless steel 316 |
| O-ring              | NBR                      |
| Flange materials    | PVC, Stainless steel 316 |

## IPA 40 dimensions



### Dimensions in mm (for DIN/EN flanges)

| IPA Type | Pump Type |    | SS  | PVC | DIN/EN |     |         | DIN/EN |     |         | SS  | PVC |
|----------|-----------|----|-----|-----|--------|-----|---------|--------|-----|---------|-----|-----|
|          |           | C  | H   | H   | K1     | L1  | n1 x N1 | K2     | L2  | n2 x N2 | R   | R   |
| IPA40    | APEX28    | 89 | 402 | 396 | DN40   | 110 | 4 x 18  | DN25   | 85  | 4 x 14  | 180 | 190 |
| IPA40    | APEX35    | 89 | 402 | 396 | DN40   | 110 | 4 x 18  | DN32   | 100 | 4 x 18  | 180 | 190 |
| IPA40    | Bredel 25 | 89 | 402 | 396 | DN40   | 110 | 4 x 18  | DN25   | 85  | 4 x 14  | 180 | 190 |
| IPA40    | Bredel 32 | 89 | 402 | 396 | DN40   | 110 | 4 x 18  | DN32   | 100 | 4 x 18  | 180 | 190 |
| IPA40    | Bredel 40 | 89 | 402 | 396 | DN40   | 110 | 4 x 18  | DN40   | 110 | 4 x 18  | 180 | 190 |

### Dimensions in inches (for ANSI flanges)

| IPA Type | Pump Type |     | SS   | PVC  | ANSI  |       |         | ANSI  |       |         | SS  | PVC |
|----------|-----------|-----|------|------|-------|-------|---------|-------|-------|---------|-----|-----|
|          |           | C   | H    | H    | K1    | L1    | n1 x N1 | K2    | L2    | n2 x N2 | R   | R   |
| IPA40    | APEX28    | 3.5 | 15.8 | 15.6 | 1 1/2 | 3 7/8 | 4 x 5/8 | 1     | 3 1/8 | 4 x 5/8 | 7.1 | 7.5 |
| IPA40    | APEX35    | 3.5 | 15.8 | 15.6 | 1 1/2 | 3 7/8 | 4 x 5/8 | 1 1/2 | 3 7/8 | 4 x 5/8 | 7.1 | 7.5 |
| IPA40    | Bredel 25 | 3.5 | 15.8 | 15.6 | 1 1/2 | 3 7/8 | 4 x 5/8 | 1     | 3 1/8 | 4 x 5/8 | 7.1 | 7.5 |
| IPA40    | Bredel 32 | 3.5 | 15.8 | 15.6 | 1 1/2 | 3 7/8 | 4 x 5/8 | 1 1/4 | 3 1/2 | 4 x 5/8 | 7.1 | 7.5 |
| IPA40    | Bredel 40 | 3.5 | 15.8 | 15.6 | 1 1/2 | 3 7/8 | 4 x 5/8 | 1 1/2 | 3 7/8 | 4 x 5/8 | 7.1 | 7.5 |

## Product codes

| Replacement hose element |                |             | Part number                |
|--------------------------|----------------|-------------|----------------------------|
| Hose type                | Material       | Colour code | IPA40/25 IPA40/32 IPA40/40 |
| NR                       | Natural rubber | Purple      | 28-IP04004020              |
| NBR                      | Nitrile rubber | Yellow      | 28-IP04004040              |
| EPDM                     | EPDM           | Red         | 28-IP04004075              |

For ordering please advise:

1. Flange size and type
2. Pump size and type
3. Required material for hose
4. Required material for T-piece and flanges

For further information on Inlet Pulse Accumulators please contact your Bredel representative.

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