

PHASE

Check Valves



Heap &
Partners Ltd

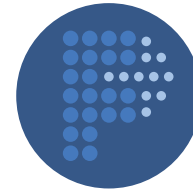
Phase Check Valves

Heap & Partners Phase Check Valves have been specially designed to cover all of our customer requirements to protect systems against reverse flow.

Following significant investment in research and development, and thanks to our industry leading Engineering Design Department and Machine Shop, we have the luxury of being able to cover a comprehensive specification range, including entirely bespoke designs depending on customer requirements.



Core Features of Phase Check Valves



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Applications

Phase check valves are designed to protect systems and equipment from reverse flow of process media in a wide range of applications.

Design

Phase Check Valves are designed and manufactured exclusively in-house at Heap & Partners, with the aim of covering all service requirements our customers may have. This allows us to arrange design consultations for bespoke applications outside the standard range.

The range features Class 150 and 300 rated designs from 15mm to 100mm in complete 316 stainless steel construction as standard. Alternative materials are available to meet customer requirements.

Engineering Capability

Heap & Partners have the capability to manage your product from start to finish. These include, but are not limited to:

- Comprehensive Engineering Product Design
- PMI Inspection of Raw and Finished Materials
- Industry Leading Machine Shop
- 3D Printing
- Laser Etching
- Robot Assisted Manufacture
- Climate Controlled Inspection Room
- Mitutoyo Co-ordinate Measuring Machine (CMM)
- New Assembly and Testing Facility
- Highly Skilled and Experienced Engineering Assembly Team

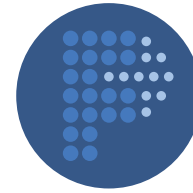
Quality & Testing

Thanks to our state of the art pneumatic & hydraulic testing facility, stringent quality controls, and material supply chain management, we have the ability to produce Class 150 and 300 Check Valves fully in compliance with PED/PER.

Prior to despatch our valves are inspected and tested in accordance with Global Industry Standards API 598 and ASME B16.34. Full documentation retained and available upon request.

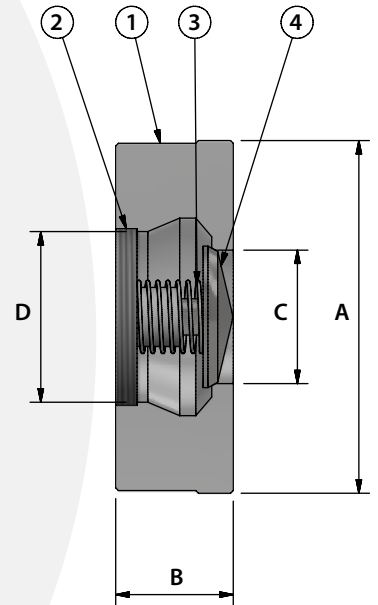


Phase Check Valves Engineering Capabilities



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| Material Options | | |
|------------------|-------------|---|
| Item | Part Number | Material |
| 1 | Body | Austenitic Stainless Steel Duplex Stainless Steel Super Duplex Stainless Steel Hastelloy Inconel *other materials available on request |
| 2 | Retainer | Austenitic Stainless Steel Duplex Stainless Steel Super Duplex Stainless Steel Hastelloy Inconel *other materials available on request |
| 3 | Spring | Austenitic Stainless Steel Elgiloy Inconel |
| 4 | Disc | Austenitic Stainless Steel Duplex Stainless Steel Super Duplex Stainless Steel Hastelloy Inconel *other materials available on request |



| #150 Series 49 (Short Pattern) | | | | | |
|--------------------------------|-----|------|-----|-----|-------------|
| DN | A | B | C | D | WEIGHT (Kg) |
| 15 | 48 | 16 | 15 | 21 | 0.2 |
| 20 | 57 | 19 | 20 | 27 | 0.3 |
| 25 | 66 | 22 | 25 | 32 | 0.5 |
| 40 | 86 | 31.5 | 40 | 49 | 1 |
| 50 | 105 | 40 | 50 | 59 | 2 |
| 80 | 137 | 50 | 80 | 89 | 3.5 |
| 100 | 175 | 60 | 100 | 114 | 6.7 |

| #300 Series 49 (Short Pattern) | | | | | |
|--------------------------------|-----|------|-----|-----|-------------|
| DN | A | B | C | D | WEIGHT (Kg) |
| 15 | 54 | 16 | 15 | 21 | 0.3 |
| 20 | 67 | 19 | 20 | 27 | 0.5 |
| 25 | 73 | 22 | 25 | 32 | 0.7 |
| 40 | 98 | 31.5 | 40 | 49 | 1.4 |
| 50 | 111 | 40 | 50 | 59 | 2.2 |
| 80 | 149 | 50 | 80 | 89 | 4.6 |
| 100 | 181 | 60 | 100 | 114 | 7.2 |

| #150 Series 52 (Long Pattern) | | | | | |
|-------------------------------|-----|------|-----|-----|-------------|
| DN | A | B | C | D | WEIGHT (Kg) |
| 15 | 48 | 25 | 15 | 21 | 0.3 |
| 20 | 57 | 31.5 | 20 | 27 | 0.5 |
| 25 | 66 | 35.5 | 25 | 32 | 0.75 |
| 40 | 86 | 45 | 40 | 49 | 1.4 |
| 50 | 105 | 55.5 | 50 | 59 | 2.5 |
| 80 | 137 | 71 | 80 | 89 | 4.7 |
| 100a | 175 | 79.5 | 100 | 114 | 8.6 |

| #300 Series 52 (Long Pattern) | | | | | |
|-------------------------------|-----|------|-----|-----|-------------|
| DN | A | B | C | D | WEIGHT (Kg) |
| 15 | 54 | 25 | 15 | 21 | 0.4 |
| 20 | 67 | 31.5 | 20 | 27 | 0.8 |
| 25 | 73 | 35.5 | 25 | 32 | 1 |
| 40 | 98 | 45 | 40 | 49 | 2 |
| 50 | 111 | 55.5 | 50 | 59 | 3 |
| 80 | 149 | 71 | 80 | 89 | 6.5 |
| 100 | 181 | 79.5 | 100 | 114 | 9.6 |

