



Instrumentation Hand Valves

Catalog 4190-HV

aerospace
climate control
electromechanical
filtration
fluid & gas handling
hydraulics
pneumatics
process control
sealing & shielding



ENGINEERING YOUR SUCCESS.

Hand Valves

Contents

Page 3 Introduction



Page 4/5 Bonnet assembly details



Page 6/7 Globe style bar stock needle valves (HNV series) 6,000 psig/414 barg



Page 8/9 Globe style bar stock needle valves (HNV series) 10,000 psig/689 barg



Page 10/11 Rising plug valves (HRPV series)



Page 12/13 Multi-port gauge valves (HGV series)



Page 14/15 Single port gauge valves with vent (HVG series)



Page 16/17 Outside screw & yoke globe pattern needle valves (HYNV series)



Page 18 Angle Pattern Valves



Page 19 B31.1 compliant power plant needle valves



Page 20 Option and suffix's



Page 21 Materials and specifications



Introduction

With years of valve design and development experience Parker Hannifin are able to offer the most comprehensive range of instrument hand valves available to users for a wide variety of markets, industries and applications. Now consolidated into one catalogue Parker is able to offer a simplified system of selection and choice for all Instrument applications and installations.

In addition to producing valves and manifolds Parker also makes twin and single ferrule compression fittings A-LOK® and CPI™ and the innovative Phastite® ferrule - less, push - fit connector which are used extensively in the oil, gas, petro-chem, power, processing and many other industries. Combining these as an integral part of the valve body users can eliminate pipe threaded connections reducing leak paths and avoiding the use of thread sealant, a frequent menace to instrument and system performance.

For higher pressure ratings up to 20,000 psig Parker can now offer their new Phastite® range of compression fittings.

All the valves offered in this catalogue are available with integral compression ends improving system performance, safety factors, size and weight reduction, simplifying installation and ultimately reducing customer costs.

Continuous product development may from time to time necessitate changes in the details contained in this catalogue. Parker Hannifin reserve the right to make such changes at their discretion and without prior notification.

All dimensions shown in this catalogue are approximate and subject to change.



WARNING

FAILURE, IMPROPER SELECTION OR IMPROPER USE OF THE PRODUCTS AND/OR SYSTEMS DESCRIBED HEREIN OR RELATED ITEMS CAN CAUSE DEATH, PERSONAL INJURY AND PROPERTY DAMAGE.

This document and other information from Parker Hannifin Corporation, its subsidiaries and authorized distributors provide product and/or system options for further investigation by users having technical expertise. It is important that you analyze all aspects of your application and review the information concerning the product or system in the current product catalog. Due to the variety of operating conditions and applications for these products or systems, the user, through its own analysis and testing, is solely responsible for making the final selection of the products and systems and assuring that all performance, safety and warning requirements of the application are met.

The products described herein, including without limitation, product features, specifications, designs, availability and pricing, are subject to change by Parker Hannifin Corporation and its subsidiaries at any time without notice.

Offer of Sale

The items described in this document are hereby offered for sale by Parker Hannifin Corporation, its subsidiaries or its authorized distributors. Any Order accepted by Parker Hannifin will be subject to our terms and conditions of sale, copy available on request.

Hand Valves

Globe style bonnet design for HNV, HGV and HVG series

1. Positive handle retention design featuring broached square engagement positioned by thread locked grub screw.

2. "T" bar
Ergonomically designed for ease of operation. Anti-tamper and lockable devices can be supplied for on site retro-fit.

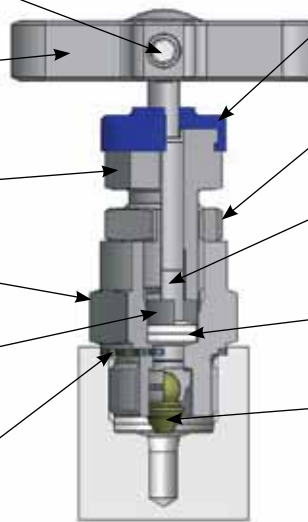
4. Gland packing adjuster
For maximum packing stability and performance, simple and easily adjustable for gland wear compensation.

6. Valve Bonnet
Standard construction for maximum pressure rating with replaceable bonnet sealing washer arrangement.

8. Thrust Bush
Anti rotational adjuster bush ensures uniform packing compression, maximising pressure tight sealing and limiting cold flow passages.

10. Bonnet/body washer
Annealed sealing washer to ensure complete atmospheric leakage and allowing on site retro-fit of bonnets with 100% re-sealing assurance.

For safe reliable and repeatable performance



3. Dust Cap

This has a dual purpose, preventing air born debris from contaminating the operating spindle thread and providing colour coded functional identification. Isolate (BLUE).

5. Gland adjuster lock nut

A secure anti vibration locking mechanism to prevent inadvertent gland adjuster loosening.

7. Anti blowout spindle

Designed for low torque operation with high quality micro mirror stem finish for positive gland sealing.

9. Gland packing (adjustable)

Chevron effect dual piece gland packing to provide maximum sealing area contact with minimum gland adjustment.

11. Spindle tip

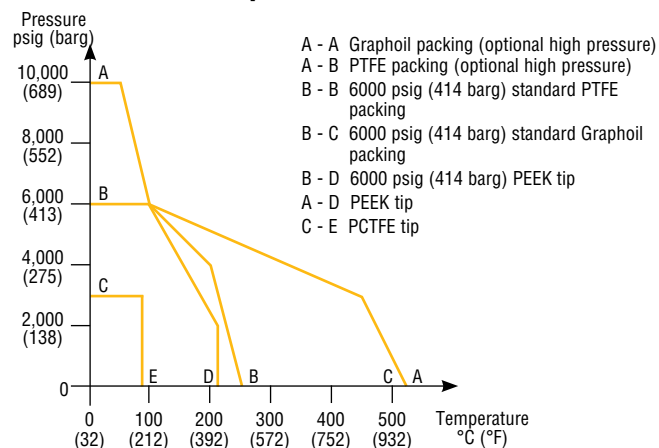
Self centering, non-rotational tip gives successive positive bubble tight shut off assuring the user of leakage free performance and downstream functional safety.

All metallic standard parts are produced in stainless steel, for alternative materials please refer to page 21. Manifolds produced in other specified materials will be provided with non-wetted parts as standard in stainless steel, this applies to items 1, 2, 4, 5 & 8.

Specification

- Height closed (standard and HP) = 47mm (1.85"). Height open (standard and HP) = 50.3mm (2.00").
- Number of turns open/close - 3.5.
- Stainless steel construction.
- Maximum standard pressure up to 6,000 psig (414 barg).
- Maximum optional pressure up to 10,000 psig (689 barg). See page 8/9.
- Temperature rating -54C to +538C (-65F to +1000F).
- PTFE standard gland packing (Graphoil optional).
- Maximum temperature PTFE 260C (500F).
- Maximum temperature Graphoil 538C (1000F).

Pressure vs temperature



Features

- Standard unit throughout hand valve range.
- Operating threads outside washout area.
- Externally adjustable gland.
- Low operating torque.
- Alternative 10,000 psig (689 barg) range available.
- Retro-fit kit for:-
Anti-tamper spindle.
Panel mounting.
Lockable T bar.
Handwheel with lockable option.
- Bonnet locking pin to prevent accidental removal fitted as standard.
- Alternative graphoil packing for high temperature performance available.
- Alternative self centering tip materials available for gaseous and aggressive fluids.
- Safety back seated spindle prevents stem blowout and provides secondary back up stem seal.
- Packing below threads to prevent lubricant washout.
- All valves 100% factory tested.
- NACE compliant wetted parts available.
- Optional cleaned and lubricated suitable for Oxygen service.
- Heat code traceable body and bonnet.

⚠ When selecting products for specific applications users should refer to our notice at the bottom of page 3.

Hand Valves

Optional globe style bonnet design for HNV, HGV and HVG series

For on-site assembly

The design options below can be simply retrofit to any NV, GV and VG series standard valves. Retrofit kit part numbers are listed next to the illustrated option and all parts will be supplied in stainless steel regardless of the parent body material.

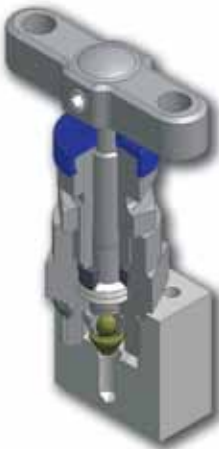






For factory fitted assembly

To obtain factory assembled options the valve part number must be suffixed with the option and function designator. Options can be combined:-

Example HNV*8FFAT – NV series valve, factory fitted with anti-tamper (AT) operating mechanism.

Example HGV*8THL – GV series valve, factory fitted with “T” bar locking plate (THL).

Note: Padlocks for lockable handwheels and “T” bars are not supplied (hole size 6mm/0.24”).

| Standard bonnet | T bar handle locking | Anti tamper spindle |
|---|---|--|
|  |  Retro-fit kit part number KITTHL Factory assembled suffix THL |  For key only - part no. ATHKEY/1 Retro-fit kit part number KITAT without key KITATK with key Factory assembled suffix AT without key ATK with key |
| Handwheel | *Panel mounting | B31.1 compliant |
|  Retro-fit kit part number KITHW Factory assembled suffix HW |  Retro-fit kit part number KITPM† Factory assembled suffix PM † Panel mount kit for HP: KITPMHP |  See page 19 for details |
| Lockable handwheel | | |
|  Retro-fit kit part number KITLHW Factory assembled suffix LHW | | |

*Panel mounting hole diameter = 26mm (1.02”).
Panel thickness = Max 5mm (0.20”) Min 2.3mm (.09”).

†Panel mounting hole diameter = 31mm/1.22”

Hand Valves

Globe style bar stock needle valves HNV series (6,000 psig/414 barg)

Purpose

Bar stock needle valves are purpose designed valves for operation with any fluid up to 6,000 psig (414 barg) rating. Complete with standard PTFE gland packing and self centering non rotational tip, gives the user assurance of total in service sealing security. For gaseous application soft tipped optional seating is available. A wide variety of end connectors are offered for all types of installation. NACE compliant materials and oxygen clean are also available along with an extensive list of materials of construction.



Specification

- Standard seat diameter 4mm.
 - Optional seat diameter 6mm.
 - Cv: 0.35 standard.
 - Maximum standard pressure up to 6,000 psig (414 barg).
 - Temperature rating -54C to +538C (-65F to +1000F).
 - Port sizes up to 1/2" pipe thread and 1/2"/12mm tube compression ends as standard.
- Optional sizes up to 1" pipe, tube and combination ends can be considered.

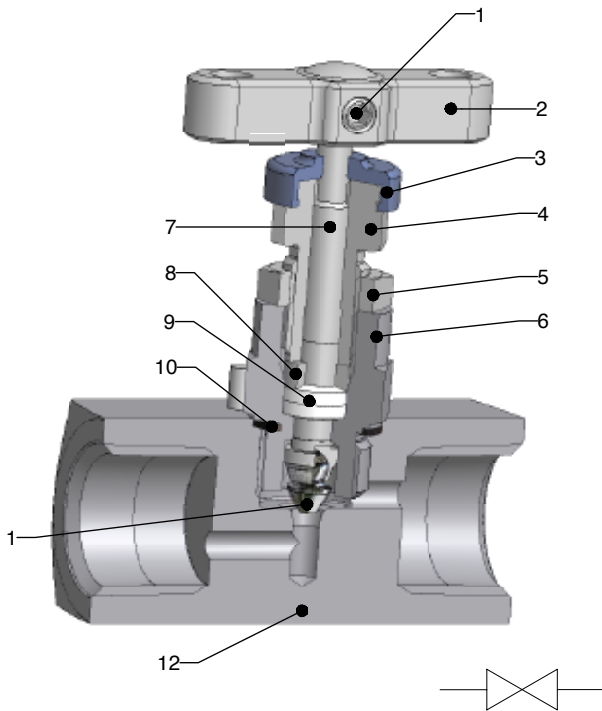
Features

- Rolled spindle operating threads.
- Stainless steel construction as standard.
- PTFE packing standard, optional graphite.
- Alternative tip and materials of construction available.
- Self centering non rotating spindle tip for bubble tight shut off.
- Colour coded functional identification.
- Back stop spindle for blowout prevention, and minimal atmospheric leakage.
- Low torque operating T bar handle.
- Externally adjustable gland.
- Panel and base mount option.
- Variety of end connections including integral compression one piece bodies.
- Angled versions available.
- Firesafe option available to API 607 BS 6755 Part 2.
- Dust cap to prevent ingress of contamination to operating thread.
- Bonnet locking pin fitted as standard.
- Angled flow path (option).

Hand Valves

Part description

| Item | Description |
|------|----------------------------|
| 1 | Locked grub screw |
| 2 | T bar handle assembly |
| 3 | Dust cap/function label |
| 4 | Gland adjuster |
| 5 | Gland locknut |
| 6 | Valve bonnet |
| 7 | Anti blowout spindle |
| 8 | Thrust bush |
| 9 | Gland packing (2) |
| 10 | Sealing washer |
| 11 | Self centering spindle tip |
| 12 | Body |



Standard product specification: metal/metal seated, PTFE packed, stainless steel, T bar operation, globe pattern, 6000 psig (414 barg).

Standard range part numbers

| Part no. | Inlet | Outlet | Dimension | | |
|----------|---------|---------|--------------|--------------|--------------|
| | Female | Female | A mm (inch) | B mm (inch) | C mm (inch) |
| HN*4FF | 1/4 NPT | 1/4 NPT | 54.0 (2.13") | 28.6 (1.13") | 79.4 (3.13") |
| HN*6FF | 3/8 NPT | 3/8 NPT | 54.0 (2.13") | 28.6 (1.13") | 79.4 (3.13") |
| HN*8FF | 1/2 NPT | 1/2 NPT | 63.5 (2.50") | 28.6 (1.13") | 79.4 (3.13") |
| | Male | Female | | | |
| HN*4M4F | 1/4 NPT | 1/4 NPT | 57.8 (2.27") | 28.6 (1.13") | 79.4 (3.13") |
| HN*8M8F | 1/2 NPT | 1/2 NPT | 73.0 (2.87") | 28.6 (1.13") | 79.4 (3.13") |
| | A-LOK® | A-LOK® | | | |
| HN*4A | 1/4 | 1/4 | 67.5 (2.66") | 25.4 (1.00") | 76.2 (3.00") |
| HN*8A | 1/2 | 1/2 | 76.2 (3.00") | 25.4 (1.00") | 76.2 (3.00") |
| HN*M6A | 6mm | 6mm | 67.5 (2.66") | 25.4 (1.00") | 76.2 (3.00") |
| HN*M12A | 12mm | 12mm | 76.2 (3.00") | 25.4 (1.00") | 76.2 (3.00") |

*Insert material code

Notes for compression ended valves:-

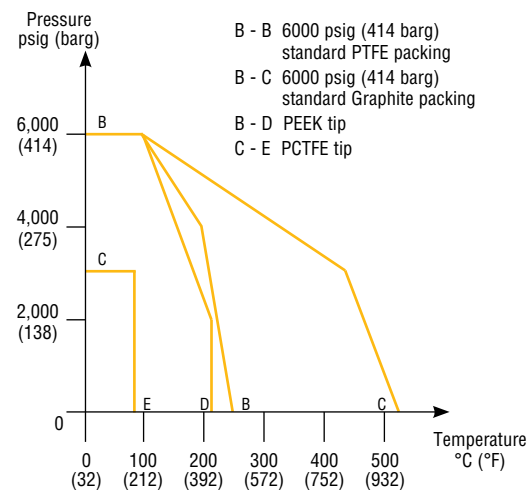
1. For CPI™ change A to Z.
2. "A" dimension given for finger tight nuts and ferrules.
3. Can be offered to comply with latest issue of NACE subject to para. 8.4.1.1.
4. For compression ended valve pressure ratings consult tube ratings table.

Dimension "C" in open position.

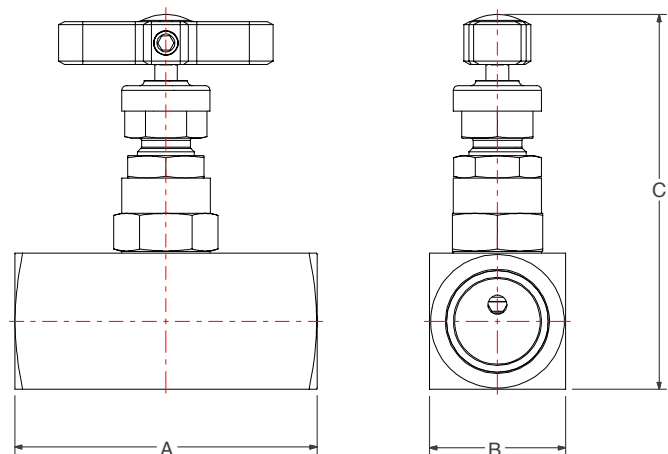
Designed to meet pressure/temperature ratings of ANSI Class 2500 where applicable.

For a full list of options and suffix's, see page 20. For a full list of materials and specifications, see page 21.

Pressure vs temperature



⚠ When selecting products for specific applications users should refer to our notice at the bottom of page 3.



Hand Valves

Globe style bar stock needle valves HNV series (10,000 psig/689 barg)

Purpose

Bar stock needle valves are purpose designed valves for operation with any fluid up to 10,000 psig (689 barg) rating. Complete with standard PTFE gland packing and self centering non rotational tip, gives the user assurance of total in service sealing security. For gaseous application soft tipped optional seating is available. A wide variety of end connectors are offered for all types of installation. NACE compliance and oxygen clean are also available along with an extensive list of materials of construction.



Specification

- Standard seat diameter 4mm.
 - Optional seat diameter 6mm.
 - Cv: 0.35 standard.
 - Maximum standard pressure up to 10,000 psig (689 barg).
 - Temperature rating -54C to +538C (-65F to +1000F).
 - Port sizes up to 1/2" pipe thread and 1/2" MPI™ tube compression ends as standard.
- Optional sizes up to 1" pipe, tube and combination ends can be considered.

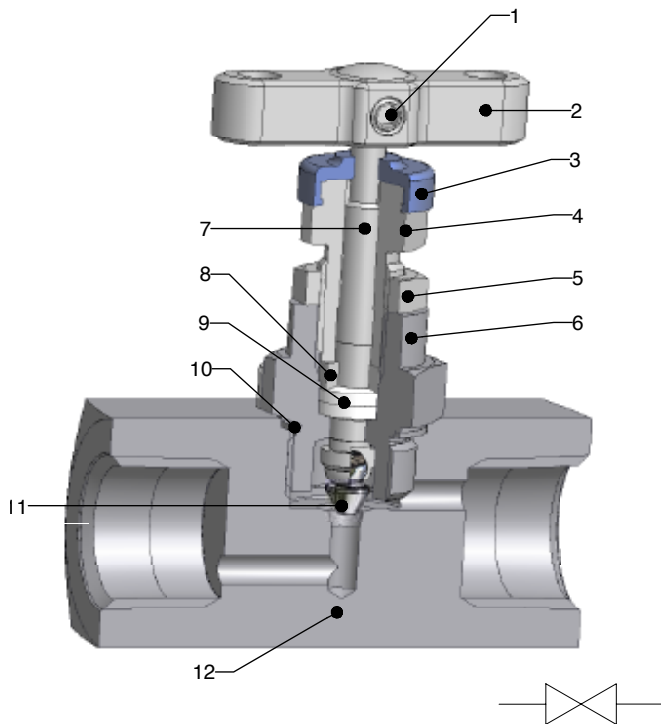
Features

- Rolled spindle operating threads.
- Stainless steel construction as standard.
- PTFE packing standard, optional graphite.
- Alternative tip and materials of construction available.
- Self centering non rotating spindle tip for bubble tight shut off.
- Colour coded functional identification.
- Back stop spindle for blowout prevention, and minimal atmospheric leakage.
- Low torque operating T bar handle.
- Externally adjustable gland.
- Panel and base mount option.
- Variety of end connections including integral compression one piece bodies.
- Angled versions available.
- Dust cap to prevent ingress of contamination to operating thread.
- Bonnet locking pin fitted as standard.

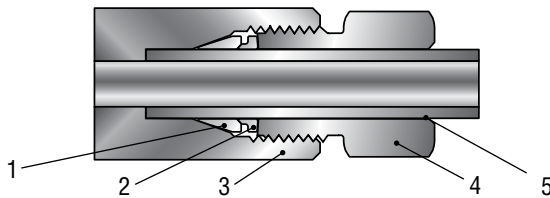
Hand Valves

Part description

| Item | Description |
|------|----------------------------|
| 1 | Locked grub screw |
| 2 | T bar handle assembly |
| 3 | Dust cap/function label |
| 4 | Gland adjuster |
| 5 | Gland locknut |
| 6 | Valve bonnet |
| 7 | Anti blowout spindle |
| 8 | Thrust bush |
| 9 | Gland packing (2) |
| 10 | Sealing washer |
| 11 | Self centering spindle tip |
| 12 | Body |



MPI™ Advanced Features



1. Front ferrule with corrosion-resistant Parker SUPARCASE® forms a tight pressure seal between the body and ferrule in a second strong mechanical hold on the tube.
2. Rear ferrule with corrosion-resistant Parker SUPARCASE® provides a strong mechanical hold on the tube.
3. Longer thread area for improved resistance to pressure and load on the ferrules.
4. Molybdenum disulfide-coated inverted nut helps prevent galling, provides easier assembly, and permits multiple remakes.
5. Long tube-support area improves resistance to vibration and line loads.

Standard product specification: metal/metal seated, PTFE packed, stainless steel, T bar operation, globe pattern, 10,000 psig (689 barg).

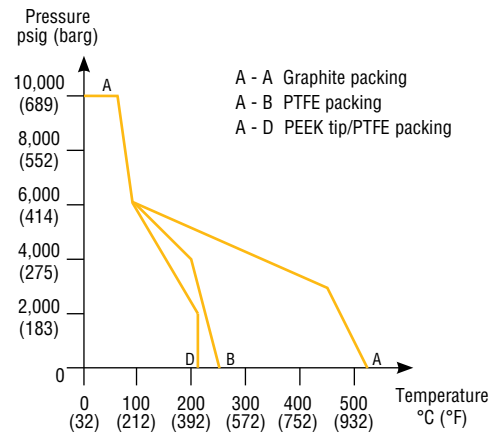
Standard range part numbers

| Part no. | Inlet | Outlet | Dimension | | |
|-----------|---------|---------|---------------|--------------|--------------|
| | Female | Female | A mm (inch) | B mm (inch) | C mm (inch) |
| HNV*4FFHP | 1/4 NPT | 1/4 NPT | 60.5 (2.38") | 31.8 (1.25") | 82.6 (3.25") |
| HNV*8FFHP | 1/2 NPT | 1/2 NPT | 69.9 (2.75") | 31.8 (1.25") | 82.6 (3.25") |
| | MPI™ | MPI™ | | | |
| HNV*4MPI | 1/4 | 1/4 | 101.6 (4.00") | 31.8 (1.25") | 82.6 (3.25") |
| HNV*6MPI | 3/8 | 3/8 | 113.6 (4.48") | 31.8 (1.25") | 82.6 (3.25") |

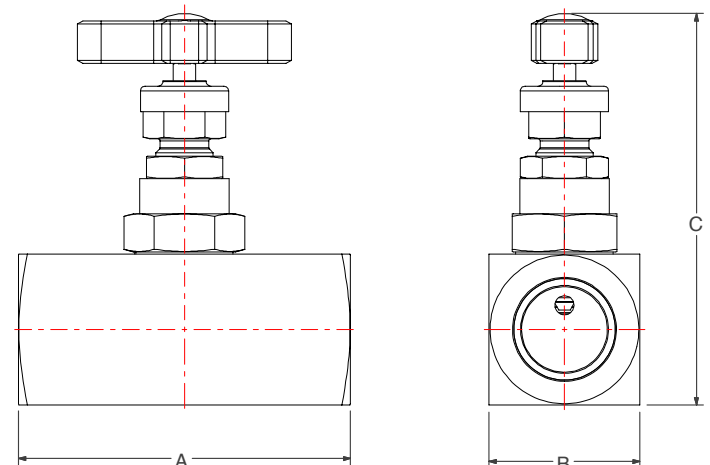
*Insert material code

For MPI™ compression ended valve pressure ratings consult tube catalogue CAT 4234 for wall thickness and assembly instructions. MPI™ only available in stainless steel. Dimension "C" in open position.

Pressure vs temperature



⚠ When selecting products for specific applications users should refer to our notice at the bottom of page 3.



Designed to meet pressure/temperature ratings of ANSI Class 4500 where applicable.

For a full list of options and suffix's, see page 20. For a full list of materials and specifications, see page 21.

Hand Valves

H Series rising plug valves (HRPV series)*

Purpose

These unique, high quality, high performance, low torque rising plug soft-seated valves have been specifically designed to perform with fluids containing high levels of contamination frequently found in oil and gas processing facilities. With a straight through flow pattern and giving 100% repeatable bubble tight shut off, the valves as standard when specified with PEEK seat will perform up to 10,000 psig (689 barg) with low spindle operating torques. A variety of end connections are offered for all types of installation. NACE compliance is also available along with an extensive list of materials of construction.



Specification

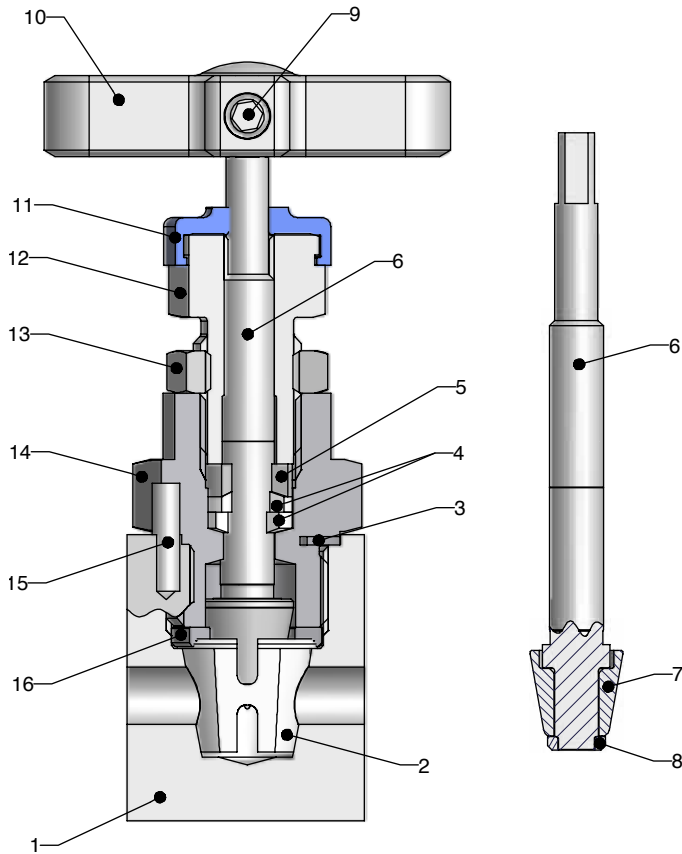
- Standard Orifice size 1/4" (6.4mm)
- Cv = 1.8.
- Maximum standard pressure up to 10,000 psig (689 barg) - PEEK seat.
- Temperature rating PEEK seat maximum 200C.
- Port sizes up to 1/2" pipe thread as standard.

Features

- Rolled spindle operating threads.
- 316 Stainless steel construction as standard.
- PTFE packing standard.
- PEEK seat standard.
- Alternative body materials available.
- Straight through flow path.
- Standard multi port gauge style available.
- Bi-directional flow.
- Replaceable soft seat.
- Colour coded functional identification.
- Backstop spindle for blowout prevention and minimal atmospheric leakage.
- Low torque operating T bar handle.
- Externally adjustable gland.
- Full range of head options available.
- Dust cap to prevent ingress of contamination to operating thread.
- Bonnet locking pin fitted as standard.
- Patent(s) pending.
- Other seating materials could be considered for special applications.

* Patent(s) pending

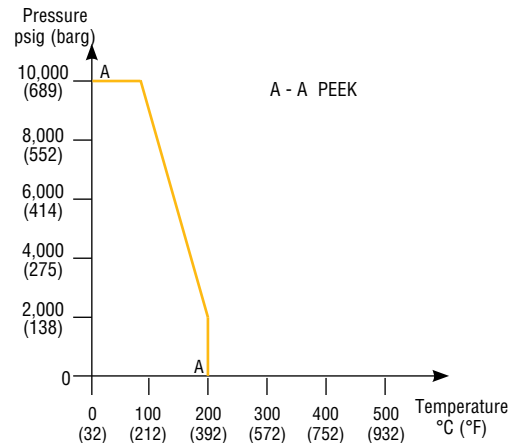
Hand Valves



Part description

| Item | Description |
|------|----------------|
| 1 | Body |
| 2 | Seat |
| 3 | Joint seal |
| 4 | Packing |
| 5 | Thrust bush |
| 6 | Stem |
| 7 | Tip |
| 8 | Stem cap |
| 9 | Grub screw |
| 10 | Handle |
| 11 | Dust cap |
| 12 | Gland Adjuster |
| 13 | Lock nut |
| 14 | Bonnet |
| 15 | Pin |
| 16 | Seat retainer |

Pressure vs temperature

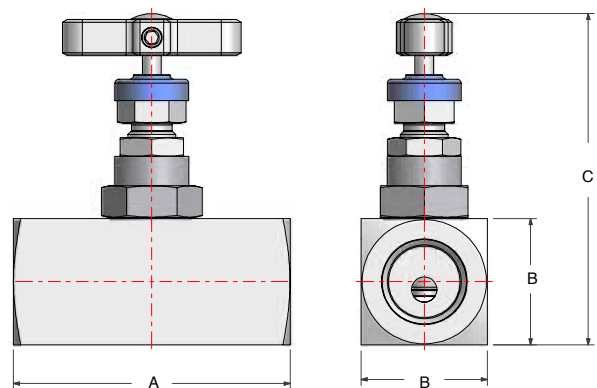


Standard product specification: supplied in 316 stainless steel with PEEK soft seat, PTFE packed, T bar operation, 10,000 psig (689 barg) maximum pressure rating, 200C maximum temperature rating.

Standard range part numbers

| Part no. | Connections | | Dimension | | |
|-------------|-------------|-------------|--------------|--------------|--------------|
| | Female | Female | A mm (inch) | B mm (inch) | C mm (inch) |
| HRPV4S4FF | 1/4 NPT | 1/4 NPT | 60.5 (2.38") | 31.8 (1.25") | 88.0 (3.46") |
| HRPV4S8FF | 1/2 NPT | 1/2 NPT | 69.8 (2.75") | 31.8 (1.25") | 88.0 (3.46") |
| | Male | Female | | | |
| HRPV4S8M8F | 1/2 NPT | 1/2 NPT | 72.9 (2.87") | 31.8 (1.25") | 88.0 (3.46") |
| HRPVG4S8M8F | 1/2 NPT | 1/2 NPT x 3 | 96.5 (3.80") | 31.8 (1.25") | 88.0 (3.46") |

⚠ When selecting products for specific applications users should refer to our notice at the bottom of page 3.



For a full list of options and suffix's, see page 20. For a full list of materials and specifications, see page 21.

Hand Valves

Multi-port gauge valves (HGV series)

Purpose

Parker's Multi-port gauge valves are purpose designed valves for operation up to 6,000 psig (414 barg) and 10,000 psig (689 barg). Complete with standard PTFE gland packing and self centering non rotational tip gives the user assurance of bubble tight seat shut off. For gaseous application soft tipped optional seating is available. A wide variety of connector ends are offered for all types of installations. NACE compliance and oxygen clean are also available along with an extensive list of materials. Each valve has 3 female outlets giving the user optimum selection for instrument positioning and location.



Bleed Valve



Plug

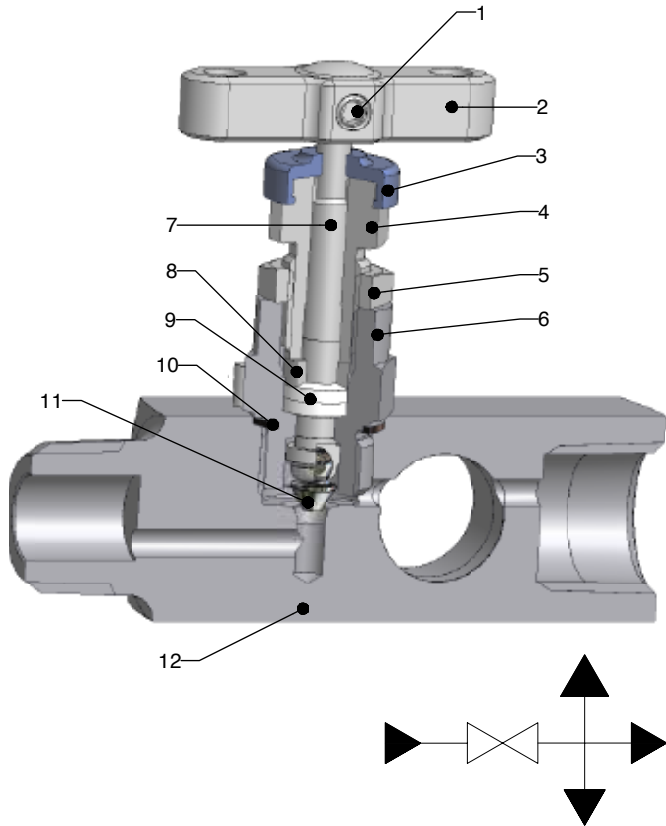
Specification

- Standard seat diameter 4mm (0.16").
- Cv: 0.35 standard.
- Maximum standard pressure up to 6,000 psig (414 barg).
- Maximum optional (HP) up to 10,000 psig (689 barg).
- Temperature rating -54C to +538C (-65F to +1000F).
- Port sizes up to 3/4" pipe thread as standard.

Features

- Rolled spindle operating threads.
- Stainless steel construction as standard.
- PTFE packing standard, optional graphite.
- Alternative tip and materials of construction available.
- Self centering non rotating spindle tip for bubble tight shut off.
- Colour coded functional identification.
- Back stop spindle for blowout prevention and minimal atmospheric leakage.
- Low torque operating T bar handle.
- Externally adjustable gland.
- Base mount option.
- Variety of end connections including integral compression one piece bodies.
- Dust cap to prevent ingress of contamination to operating thread.
- Bonnet locking pin fitted as standard.

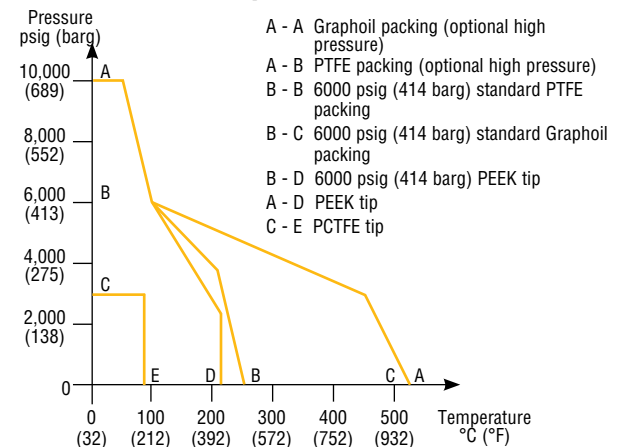
Hand Valves



Part description

| Item | Description |
|------|----------------------------|
| 1 | Locked grub screw |
| 2 | T bar handle assembly |
| 3 | Dust cap/function label |
| 4 | Gland adjuster |
| 5 | Gland locknut |
| 6 | Valve bonnet |
| 7 | Anti blowout spindle |
| 8 | Thrust bush |
| 9 | Gland packing (2) |
| 10 | Sealing washer |
| 11 | Self centering spindle tip |
| 12 | Body |

Pressure vs temperature



⚠ When selecting products for specific applications users should refer to our notice at the bottom of page 3.

Standard product specification: metal/metal seated, PTFE packed, stainless steel, T bar operation, globe pattern, 6000 psig (414 barg).

For complete supply of bleed valve and plug with the valve, add suffix's (see page 20).

Standard range part numbers

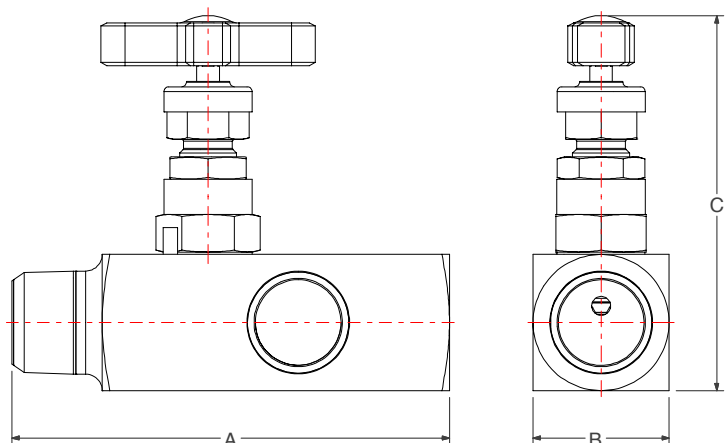
| Part no. | Inlet | Outlet | Dimension | | | Pressure rating |
|----------|---------|--------------|--------------|--------------|--------------|----------------------|
| | Male | Female x 3 | A mm (inch) | B mm (inch) | C mm (inch) | |
| HGV*8 | 1/2 NPT | 3 X 1/2" NPT | 92.0 (3.62") | 28.6 (1.13") | 79.4 (3.13") | 6,000 psi (414 bar) |
| HGV*12 | 3/4 NPT | 3 X 1/2" NPT | 95.0 (3.74") | 28.6 (1.13") | 79.4 (3.13") | 6,000 psi (414 bar) |
| HGV*8HP | 1/2 NPT | 3 X 1/2" NPT | 92.0 (3.62") | 31.8 (1.25") | 82.6 (3.25") | 10,000 psi (689 bar) |

*Insert material code - select from material matrix on page 21
Dimension "C" in open position.

To order individual bleed valves (captive spindle) & plugs

| Part no. | Description | Connection |
|----------|---------------------|------------|
| | | Male |
| HBV*4M | Bleed valve | 1/4" NPT |
| HBV*8M | Bleed valve | 1/2" NPT |
| 4PHSS | Hexagon plug | 1/4" NPT |
| 8PHSS | Hexagon plug | 1/2" NPT |
| 4PHHSS | Hollow hexagon plug | 1/4" NPT |
| 8PHHSS | Hollow hexagon plug | 1/2" NPT |

Plug part numbers are from IPD's pipe fitting range.



Designed to meet pressure/temperature ratings of ANSI Class 2500/4500 where applicable.

For a full list of options and suffix's, see page 20. For a full list of materials and specifications, see page 21.

Hand Valves

Single port gauge valves with vent (HVG series)

Purpose

Parker's Single port gauge valves with vent are purpose designed valves for operation with any fluid up to 6,000 psig (414 barg) rating. Valves are provided with a single 1/4" NPT port for the optional fitting of captive bleed/vent valve or blank plug. Complete with standard PTFE gland packing and self centering non rotational tip gives the user assurance of total in service sealing security. For gaseous application soft tipped optional seating is available. A wide variety of end connectors are offered for all types of installations. NACE compliance and oxygen clean are also available along with an extensive list of materials of construction.



Bleed Valve



Plug

Specification

- Standard seat diameter 4mm (0.16").
- Cv: 0.35 standard.
- Maximum std. pressure up to 6,000 psig (414 barg).
- Temperature rating -54C to +538C (-65F to +1000F).
- Port sizes up to 1/2" pipe thread and 1/2"/12mm tube compression ends.

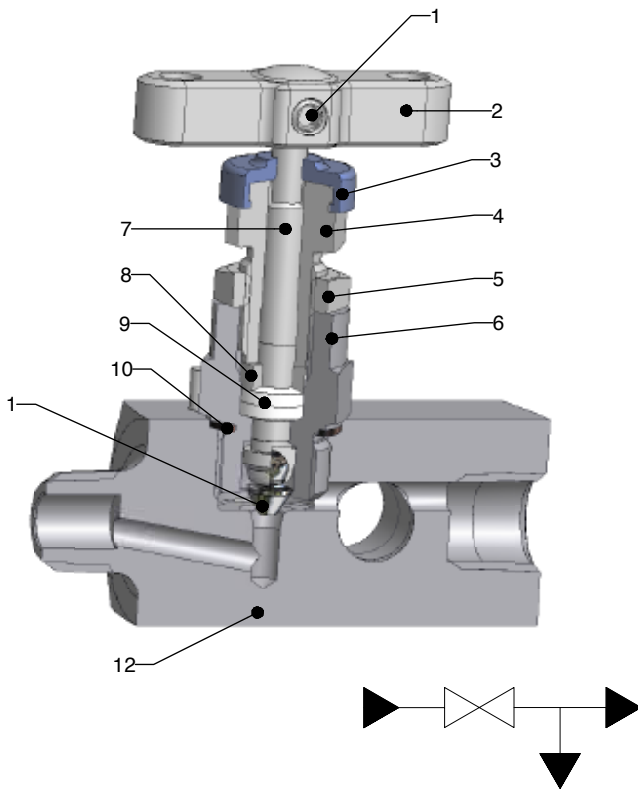
Features

- Rolled spindle operating threads.
- Stainless steel construction standard.
- PTFE packing standard, optional graphite.
- Alternative tip and materials of construction available.
- Self centering non rotating spindle tip for bubble tight shut off.
- Colour coded functional identification.
- Back stop spindle for blowout prevention and minimal atmospheric leakage.
- Low torque operating T bar handle.
- Externally adjustable gland.
- Base mount option.
- Variety of end connections including integral compression one piece bodies.
- Firesafe option available to API 607 BS 6755 Part 2.
- Dust cap to prevent ingress of contamination to operating thread.
- Bonnet locking pin fitted as standard.

Hand Valves

Part description

| Item | Description |
|------|----------------------------|
| 1 | Locked grub screw |
| 2 | T bar handle assembly |
| 3 | Dust cap/function label |
| 4 | Gland adjuster |
| 5 | Gland locknut |
| 6 | Valve bonnet |
| 7 | Anti blowout spindle |
| 8 | Thrust bush |
| 9 | Gland packing (2) |
| 10 | Sealing washer |
| 11 | Self centering spindle tip |
| 12 | Body |



Standard product specification: metal/metal seated, PTFE packed, stainless steel, T bar operation, globe pattern, 1/4" NPT vent/bleed port, 6,000 psig (414 barg). Add suffix's to obtain bleed valve or plug.

Standard range part numbers

| Part no. | Inlet | Outlet | Dimension | | |
|----------|---------|---------|--------------|--------------|--------------|
| | Female | Female | A mm (inch) | B mm (inch) | C mm (inch) |
| HN*4FFV | 1/4 NPT | 1/4 NPT | 63.5 (2.50") | 28.6 (1.13") | 79.4 (3.13") |
| HN*6FFV | 3/8 NPT | 3/8 NPT | 67.0 (2.64") | 28.6 (1.13") | 79.4 (3.13") |
| HN*8FFV | 1/2 NPT | 1/2 NPT | 75.0 (3.00") | 28.6 (1.13") | 79.4 (3.13") |
| | Male | Female | | | |
| HN*4M4FV | 1/4 NPT | 1/4 NPT | 72.5 (2.85") | 28.6 (1.13") | 79.4 (3.13") |
| HN*8M8FV | 1/2 NPT | 1/2 NPT | 85.8 (3.38") | 28.6 (1.13") | 79.4 (3.13") |

*Insert material code - select from material matrix on page 21.
Dimension "C" in open position.

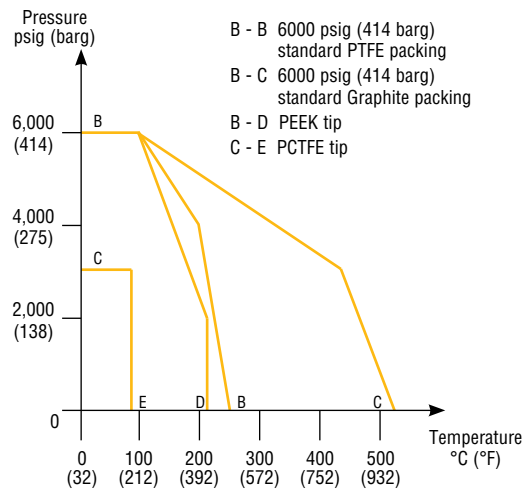
To order individual bleed valves (captive spindle) & plugs

| Part no. | Description | Connection |
|----------|---------------------|------------|
| | | Male |
| HBV*4M | Bleed valve | 1/4" NPT |
| 4PHSS | Hexagon plug | 1/4" NPT |
| 4PHHSS | Hollow hexagon plug | 1/4" NPT |

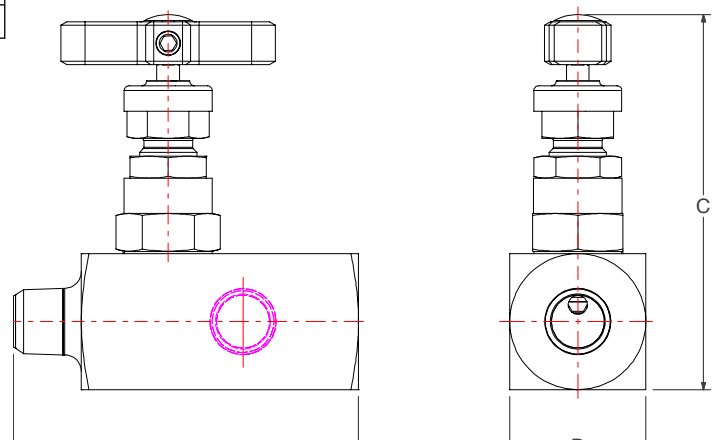
Plug part numbers are from IPD's pipe fitting range.

Designed to meet pressure/temperature ratings of ANSI Class 2500 where applicable.
For a full list of options and suffix's, see page 20. For a full list of materials and specifications, see page 21.

Pressure vs temperature



⚠ When selecting products for specific applications users should refer to our notice at the bottom of page 3.

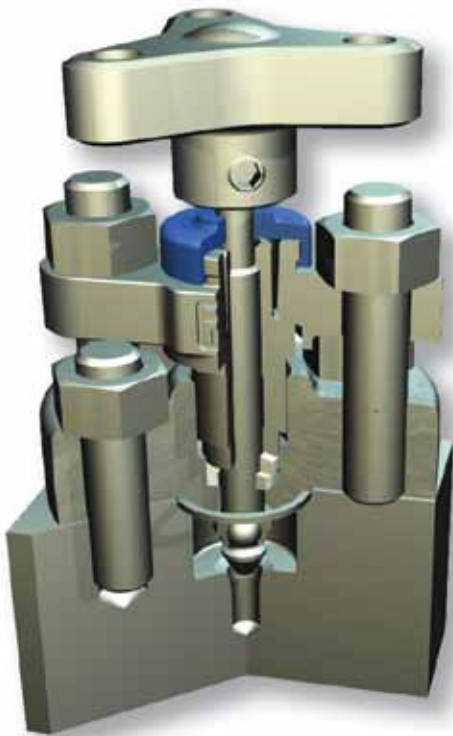


Hand Valves

Outside screw and yoke globe pattern needle valves (HYNV series)

Purpose

Outside screw and yoke valves are designed for primary isolating applications operating up to 6,000 psig (414 barg) with optional 10,000 psig (689 barg) rating. The valve is supplied complete with standard graphite gland packing and the self centering non rotational tip gives bubble tight sealing. For gaseous application soft tipped optional seating is available. A wide variety of connector ends are offered for all types of installations including multi-ported root/primary isolate service. NACE compliance and oxygen clean are also available along with an extensive list of materials. Firesafe to BS 6755 Part 2 and API 607 standard with graphite packing.



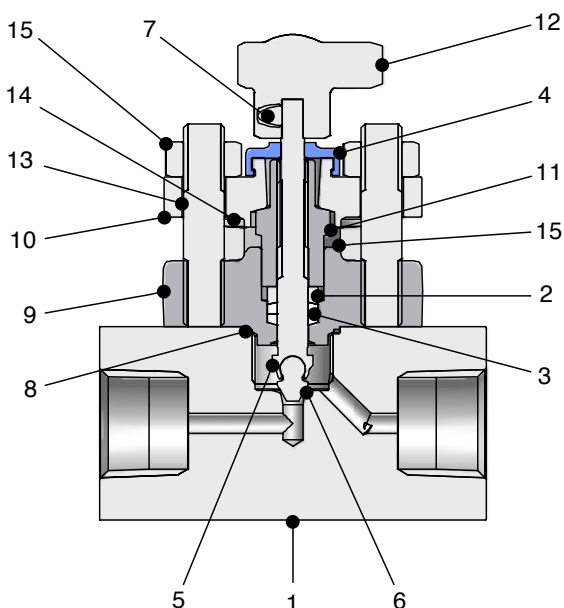
Specification

- Standard seat diameter 4mm (0.16").
- Cv: 0.35 standard.
- Maximum standard pressure up to 6,000 psig (414 barg).
- Maximum optional pressure up to 10,000 psig (689 barg).
- Temperature rating -54C to +538C (-65F to +1000F).
- Port sizes up to 1/2" pipe thread and 1/2"/12mm tube compression ends as standard.

Features

- Rolled spindle operating threads.
- Stainless steel construction standard.
- Graphite packing standard, PTFE optional.
- Alternative tip and materials of construction available.
- Self centering non rotating spindle tip for bubble tight shut off.
- Colour coded functional identification.
- Back stop spindle for blowout prevention.
- Externally adjustable gland independent of spindle thread.
- Base mount option.
- Variety of end connections including integral compression one piece bodies.
- Angled versions available.
- Firesafe design and verified by testing to BS 6755 Part 2 and API 607.

Hand Valves



Standard product specification: metal/metal seated, Graphite packed, stainless steel, T bar operation, inline pattern, 6000 psig (414 barg).

Standard range part numbers

| Part no. | Inlet | Outlet | Dimension | | |
|------------|-------------|-------------|----------------|--------------|---------------|
| | Female | Female | A mm (inch) | B mm (inch) | C mm (inch) |
| HYNV*4FF | 1/4 NPT | 1/4 NPT | 68.2 (2.685") | 38.1 (1.50") | 98.9 (3.894") |
| HYNV*6FF | 3/8 NPT | 3/8 NPT | 69.2 (2.724") | 38.1 (1.50") | 98.9 (3.894") |
| HYNV*8FF | 1/2 NPT | 1/2 NPT | 76.2 (3.000") | 38.1 (1.50") | 98.9 (3.894") |
| | Male | Female | | | |
| HYNV*4M4F | 1/4 NPT | 1/4 NPT | 75.0 (2.953") | 38.1 (1.50") | 98.9 (3.894") |
| HYNV*8M8F | 1/2 NPT | 1/2 NPT | 82.0 (3.268") | 38.1 (1.50") | 98.9 (3.894") |
| HYGV*8 | 1/2 NPT | 3 x 1/2 NPT | 108.0 (4.252") | 38.1 (1.50") | 98.9 (3.894") |
| | Socket weld | Socket weld | | | |
| HYNV*SW8NB | 1/2 pipe | 1/2 pipe | 76.2 (3.000") | 38.1 (1.50") | 98.9 (3.894") |
| | Butt weld | Butt weld | | | |
| HYNV*BW8NB | 1/2 pipe | 1/2 pipe | 89.8 (3.535") | 38.1 (1.50") | 98.9 (3.894") |
| | A-LOK* | A-LOK* | | | |
| HYNV*4A | 1/4 | 1/4 | 87.4 (3.441") | 38.1 (1.50") | 98.9 (3.894") |
| HYNV*8A | 1/2 | 1/2 | 96.0 (3.780") | 38.1 (1.50") | 98.9 (3.894") |
| HYNV*M6A | 6mm | 6mm | 87.4 (3.441") | 38.1 (1.50") | 98.9 (3.894") |
| HYNV*M12A | 12mm | 12mm | 96.0 (3.780") | 38.1 (1.50") | 98.9 (3.894") |

*Insert material code - select from material matrix on page 21.

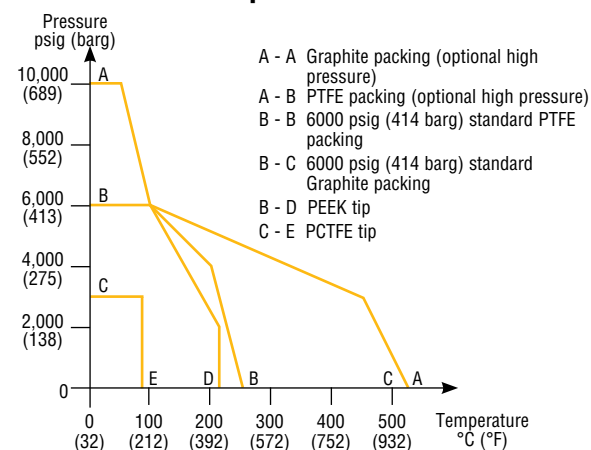
Notes for compression ended valves:-

1. For CPI™ change A to Z.
 2. "A" dimension given for finger tight nuts and ferrules.
 3. Cannot be offered for NACE.
 4. For compression ended valve pressure ratings consult tube ratings table.
- Dimension "C" in open position.

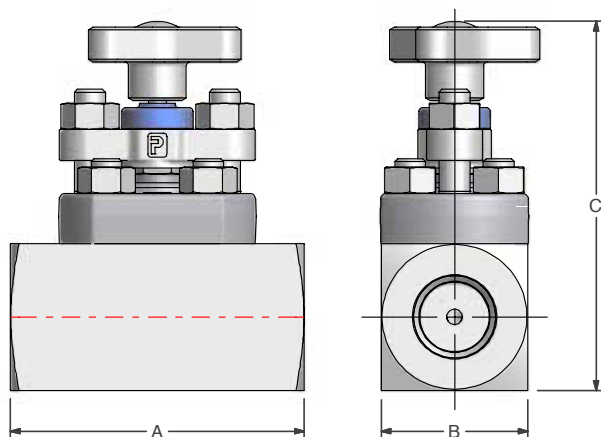
Part description

| Item | Description |
|------|---------------------|
| 1 | Body |
| 2 | Thrust bush |
| 3 | Stem packing |
| 4 | Dust cap |
| 5 | Stem |
| 6 | Tip |
| 7 | Grub screw |
| 8 | Joint seal |
| 9 | OS&Y bonnet |
| 10 | Gland bridge |
| 11 | Gland adjuster |
| 12 | Tri-lobal handle |
| 13 | Bonnet - gland stud |
| 14 | Body - bonnet stud |
| 15 | Nuts |

Pressure vs temperature



⚠ When selecting products for specific applications users should refer to our notice at the bottom of page 3.



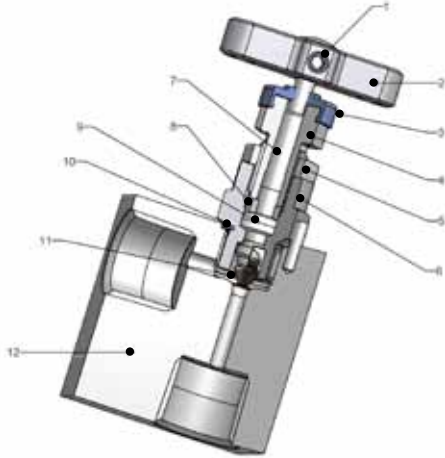
For a full list of options and suffix's, see page 20. For a full list of materials and specifications, see page 21.

Hand Valves

Angled versions available for the following:

- Globe style bar stock needle valves HNV series (6,000 psig/414 barg) (10,000 psig/689 barg)
- Single port gauge valves with vent (HVG series)
- Outside screw and yoke globe pattern needle valves (HYNV series)

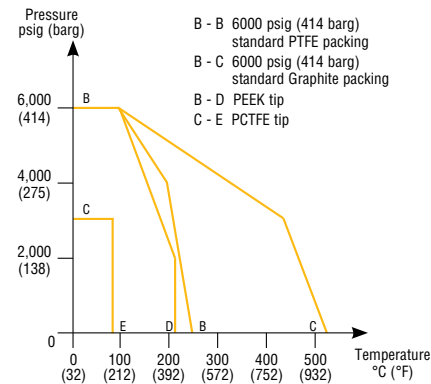
Below is example of Globe style bar stock needle valves HNV series (6,000 psig/414 barg). Please consult factory for other options.



Part description

| Item | Description |
|------|----------------------------|
| 1 | Locked grub screw |
| 2 | T bar handle assembly |
| 3 | Dust cap/function label |
| 4 | Gland adjuster |
| 5 | Gland locknut |
| 6 | Valve bonnet |
| 7 | Anti blowout spindle |
| 8 | Thrust bush |
| 9 | Gland packing (2) |
| 10 | Sealing washer |
| 11 | Self centering spindle tip |
| 12 | Body |

Pressure vs temperature



Standard product specification: metal/metal seated, PTFE packed, stainless steel, T bar operation, globe pattern, 6000 psig (414 barg).

Standard range part numbers

| Part no. | Inlet | Outlet | Dimension | | | | | |
|-------------|---------|---------|--------------|--------------|---------------|--------------|--------------|--------------|
| | Female | Female | A mm (inch) | B mm (inch) | C mm (inch) | D mm (inch) | E mm (inch) | F mm (inch) |
| HNV*4FFANG | 1/4 NPT | 1/4 NPT | 25.4 (1.00") | 25.4 (1.00") | 88.9 (3.50") | 38.1 (1.50") | 39.7 (1.56") | 12.7 (0.50") |
| HNV*8FFANG | 1/2 NPT | 1/2 NPT | 28.6 (1.13") | 31.8 (1.25") | 96.9 (3.81") | 46.1 (1.81") | 46.1 (1.81") | 14.3 (0.56") |
| HNV*12FFANG | 3/4 NPT | 3/4 NPT | 38.1 (1.50") | 34.9 (1.37") | 104.8 (4.13") | 54.0 (2.13") | 54.0 (2.13") | 19.1 (0.75") |
| HNV*16FFANG | 1 NPT | 1 NPT | 50.8 (2.00") | 41.3 (1.63") | 117.5 (4.63") | 54.0 (2.13") | 54.0 (2.13") | 19.1 (0.75") |

| Part no. | Inlet | Outlet | Dimension | | | | | |
|---------------|---------|---------|--------------|--------------|---------------|--------------|--------------|--------------|
| | Female | Female | A mm (inch) | B mm (inch) | C mm (inch) | D mm (inch) | E mm (inch) | F mm (inch) |
| HNV*4M4FANG | 1/4 NPT | 1/4 NPT | 25.4 (1.00") | 28.2 (1.11") | 76.2 (3.00") | 40.9 (1.61") | 39.7 (1.56") | 12.7 (0.50") |
| HNV*8M8FANG | 1/2 NPT | 1/2 NPT | 28.6 (1.13") | 33.3 (1.31") | 79.4 (3.13") | 47.6 (1.87") | 46.1 (1.81") | 14.3 (0.56") |
| HNV*12M12FANG | 3/4 NPT | 3/4 NPT | 38.1 (1.50") | 41.1 (1.62") | 88.9 (3.50") | 60.1 (2.37") | 54.0 (2.13") | 19.1 (0.75") |
| HNV*16M16FANG | 1 NPT | 1 NPT | 50.8 (2.00") | 50.8 (2.00") | 101.6 (4.00") | 76.2 (3.00") | 66.7 (2.63") | 25.4 (1.00") |

| Part no. | Inlet | Outlet | Dimension | | | | | |
|------------|----------|----------|--------------|--------------|--------------|--------------|--------------|--------------|
| | Female | Female | A mm (inch) | B mm (inch) | C mm (inch) | D mm (inch) | E mm (inch) | F mm (inch) |
| HNV*4AANG | 1/4"O.D. | 1/4"O.D. | 25.4 (1.00") | 23.0 (0.91") | 76.2 (3.00") | 35.7 (1.41") | 39.0 (1.54") | 12.7 (0.50") |
| HNV*8AANG | 1/2"O.D. | 1/2"O.D. | 28.6 (1.13") | 24.6 (0.97") | 76.2 (3.00") | 37.3 (1.47") | 40.7 (1.60") | 12.7 (0.50") |
| HNV*12AANG | 3/4"O.D. | 3/4"O.D. | 38.1 (1.50") | 27.8 (1.09") | 82.6 (3.25") | 43.7 (1.72") | 47.7 (1.88") | 15.9 (0.63") |
| HNV*16AANG | 1"O.D. | 1"O.D. | 50.8 (2.00") | 33.3 (1.31") | 88.9 (3.50") | 52.4 (2.06") | 57.2 (2.25") | 19.1 (0.75") |

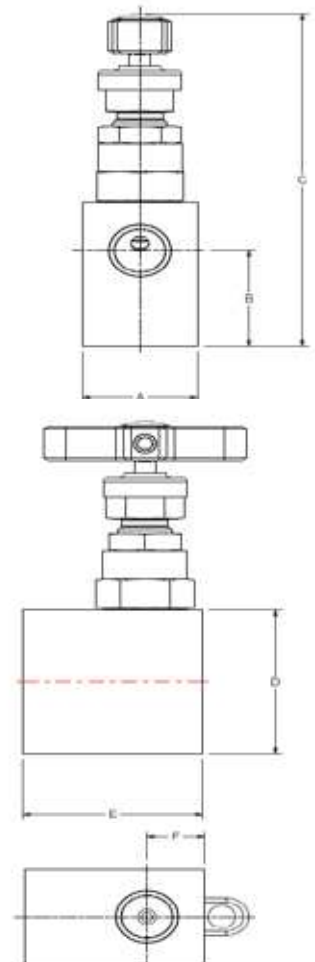
*Insert material code - select from material matrix on page 21.

Notes for compression ended valves:-

1. For CPI™ change A to Z.
 2. "A" dimension given for finger tight nuts and ferrules.
 3. Cannot be offered for NACE.
 4. For compression ended valve pressure ratings consult tube ratings table.
- Dimension "C" in open position.

Designed to meet pressure/temperature ratings of ANSI Class 2500 where applicable. For a full list of options and suffix's, see page 20. For a full list of materials and specifications, see page 21.

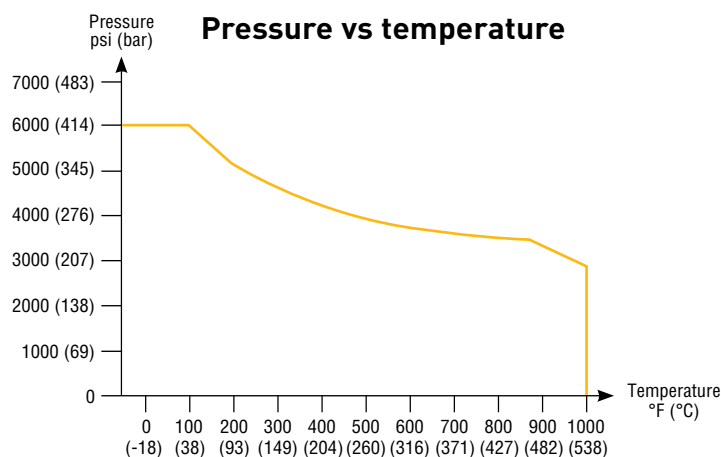
⚠ When selecting products for specific applications users should refer to our notice at the bottom of page 3.



Power plant products - compliant with ANSI B31.1

H Series Hand valves & manifolds

Designed and developed from our highly successful H series valves. These products meet the requirements of both ANSI B31.1 (Power plants) and B31.3 (Petrochemical plants), including the materials of construction.



Features

- All valves are graphite packed for high temperature service.
- Non rotating, hard stem tip with metal to metal seating for bubble tight shut-off.
- Back seat design.
- Blow-out proof stem.
- Pressures & temperatures in accordance with ASME class 2500.
- Patented Tru-Lok® safety bonnet locking device prevents accidental removal.
- Standard orifice 4mm (Cv 0.35), optional orifice for needle valves 6mm (Cv 0.47).

Specific pressure / temperature performance

316 SS 6000 psig @ 100°F (414 bar @ 38°C)
 2915 psig @ 1000°F (201 bar @ 538°C)

Plus a range of manifolds:



Part numbering & Product range offered:

For H series valves and manifolds use CAT4190HV; CAT4190PM; CAT4190FM then replace the prefix 'H' with 'HPP'. Eg: HNVS8FF becomes HPPNVS8FF3








Product range:

HPPNVS; HPPGV; HPPBSNVS2; HPPLS2V; HPPLS2HVSDLH; HPPALS2V; HPPLS3M; HPPLS5M; HPPDS2HLH; HPPDS3M; HPPDS5M; HPPEFS2/3/5

Consult factory or come and see us about other options.

Hand Valves

Instrumentation hand valves

| | | | Valve types | | | | | | | |
|------------------------|--|--|-----------------|---|---|---|---|---|---|---|
| Available options | | | |  |  |  |  |  |  |  |
| Suffix adding sequence | Function | Option Detail | Part no. suffix | Needle (HNV series) page 6 & 7 | Needle (HNV series) page 8 & 9 | Rising plug (HRPV series) page 10 & 11 | Multi-port (HGV series) page 12 & 13 | Single port (HVG series) page 14 & 15 | Outside Screw & yoke (HYNV series) page 14 & 15 | B31.1 compliant Power Plant |
| 1 | Gland packing | Graphite | 3 | ✓ | ✓ | ✓ | ✓ | ✓ | | STD |
| 2 | Seating | PCTFE (207 bar/3000 psi) | 9 | ✓ | | | ✓ | ✓ | ✓ | |
| | | PEEK | PK | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| | | Stellite Tip | ST | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ |
| | | Regulating tip (4mm seat only) | RT | ✓ | ✓ | | | | | |
| | | 6mm seat | 6S | ✓ | ✓ | | | | | |
| 3 | Plug/Bleed valve (supplied loose in box) | Blank plug | P | | | ✓ | ✓ | | | |
| | | Bleed valve | BV | | | ✓ | ✓ | | | |
| | | Plug & bleed valve | PBV | | | ✓ | ✓ | | | |
| 4 | Connection style | Socket weld (* insert pipe size) | SW*NB | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ |
| | | Male socket weld (*insert pipe size) | MSW*NB | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ |
| | | Butt weld (* insert pipe size) (# insert schedule) | BW*NBSCH# | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ |
| | | Stub pipe extension (insert length in *mm) | SP*MM | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ |
| | | Male inlet extension (* insert length in mm) | EX*MM | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | BSPT (* insert pipe size (e.g. 8K = 1/2")) | *K | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | BSP (* insert pipe size (e.g. 4R = 1/4")) | *R | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | Flange (specify separately) | FL | ✓ | ✓ | | ✓ | ✓ | ✓ | |
| 5 | Connection sizing | See below† | | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| 6 | Flow pattern Operating mechanism | Angled | ANG | ✓ | ✓ | | | ✓ | ✓ | ✓ |
| | | Lockable T bar | THL | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | Anti tamper T bar | AT | ✓ | ✓ | | ✓ | ✓ | | ✓ |
| | | Anti tamper + key | ATK | ✓ | ✓ | | ✓ | ✓ | | ✓ |
| | | Handwheel | HW | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | Lockable handwheel | LHW | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 7 | Mounting | Panel mount | PM | ✓ | | | | ✓ | | ✓ |
| | | Base mount | BM | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 8 | Condition | NACE compliant materials** | NC | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | Cleaned and lubricated for oxygen use | OXY | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| | | Firesafe | FS | ✓ | | | ✓ | ✓ | | |
| | | Test certificates | TC | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| | | Air Testing | PT | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |

†For tube socket or tube butt weld use 1/16 inch denominations and change NB to TB.








†For metric tube size use actual metric (mm) dimensions e.g. SW12MMTB.

Note: Heat code traceable certificates for body and bonnet stud available on application.

**Does not apply for A-lok/CPI ended valves in 316 stainless steel.

Hand Valves

Instrumentation hand valves

| | | Valve types | | | | | | |
|----------------------|---|---|---|---|--|---|---|---|
| Available options | |  |  |  |  |  |  |  |
| Material | *Insert code for selected material in part number | Needle (HNV series) page 6 & 7 | Needle (HNV series) page 8 & 9 | Rising plug (HRPV series) page 10 & 11 | Multi-port (HGV series) page 12 & 13 | Single port (HVG series) page 14 & 15 | Outside Screw & yoke (HYNV series) page 14 & 15 | B31.1 compliant Power Plant |
| Stainless steel std. | S | ✓ | ✓ | *✓ | ✓ | ✓ | ✓ | ✓ |
| Monel | M | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| Duplex | D1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| Super Duplex | D2 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| Hasteloy | HC | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Carbon Steel | C | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ |
| 6Mo | 6MO | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| Titanium | T | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| Incoloy 825 | 825 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| Incoloy 825 | 625 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |

All non-wetted parts ie those not in contact with the process medium will be supplied in stainless steel for all materials shown above.

The widest range of precision Instrumentation products



Cat 4190-FP
Flanged products



Cat 4190-PM
Two valve manifolds



Cat 4190-FM
Three and five valve manifolds

Hand Valves

Notes

Notes

Parker Worldwide

AE – UAE, Dubai
Tel: +971 4 8875600
parker.me@parker.com

AR – Argentina, Buenos Aires
Tel: +54 3327 44 4129

AT – Austria, Wiener Neustadt
Tel: +43 (0)2622 23501-0
parker.austria@parker.com

AT – Eastern Europe, Wiener Neustadt
Tel: +43 (0)2622 23501 970
parker.easteurope@parker.com

AU – Australia, Castle Hill
Tel: +61 (0)2-9634 7777

AZ – Azerbaijan, Baku
Tel: +994 50 2233 458
parker.azerbaijan@parker.com

BE/LX – Belgium, Nivelles
Tel: +32 (0)67 280 900
parker.belgium@parker.com

BR – Brazil, Cachoeirinha RS
Tel: +55 51 3470 9144

BY – Belarus, Minsk
Tel: +375 17 209 9399
parker.belarus@parker.com

CA – Canada, Milton, Ontario
Tel: +1 905 693 3000

CH – Switzerland, Etoy
Tel: +41 (0) 21 821 02 30
parker.switzerland@parker.com

CN – China, Shanghai
Tel: +86 21 5031 2525

CZ – Czech Republic, Klecany
Tel: +420 284 083 111
parker.czechrepublic@parker.com

DE – Germany, Kaarst
Tel: +49 (0)2131 4016 0
parker.germany@parker.com

DK – Denmark, Ballerup
Tel: +45 43 56 04 00
parker.denmark@parker.com

ES – Spain, Madrid
Tel: +34 902 33 00 01
parker.spain@parker.com

FI – Finland, Vantaa
Tel: +358 (0)20 753 2500
parker.finland@parker.com

FR – France, Contamine s/Arve
Tel: +33 (0)4 50 25 80 25
parker.france@parker.com

GR – Greece, Athens
Tel: +30 210 933 6450
parker.greece@parker.com

HK – Hong Kong
Tel: +852 2428 8008

HU – Hungary, Budapest
Tel: +36 1 220 4155
parker.hungary@parker.com

IE – Ireland, Dublin
Tel: +353 (0)1 466 6370
parker.ireland@parker.com

IN – India, Mumbai
Tel: +91 22 6513 7081-85

IT – Italy, Corsico (MI)
Tel: +39 02 45 19 21
parker.italy@parker.com

JP – Japan, Fujisawa
Tel: +(81) 4 6635 3050

KR – South Korea, Seoul
Tel: +82 2 559 0400

KZ – Kazakhstan, Almaty
Tel: +7 7272 505 800
parker.easteurope@parker.com

LV – Latvia, Riga
Tel: +371 6 745 2601
parker.latvia@parker.com

MX – Mexico, Apodaca
Tel: +52 81 8156 6000

MY – Malaysia, Shah Alam
Tel: +603-78490800

NL – The Netherlands, Oldenzaal
Tel: +31 (0)541 585 000
parker.nl@parker.com

NO – Norway, Stavanger
Tel: +47 (0)51 826 300
parker.norway@parker.com

NZ – New Zealand, Mt Wellington
Tel: +64 9 574 1744

PL – Poland, Warsaw
Tel: +48 (0)22 573 24 00
parker.poland@parker.com

PT – Portugal, Leca da Palmeira
Tel: +351 22 999 7360
parker.portugal@parker.com

RO – Romania, Bucharest
Tel: +40 21 252 1382
parker.romania@parker.com

RU – Russia, Moscow
Tel: +7 495 645-2156
parker.russia@parker.com

SE – Sweden, Spånga
Tel: +46 (0)8 59 79 50 00
parker.sweden@parker.com

SG – Singapore,
Tel: +65 6887 6300

SK – Slovakia, Banská Bystrica
Tel: +421 484 162 252
parker.slovakia@parker.com

SL – Slovenia, Novo Mesto
Tel: +386 7 337 6650
parker.slovenia@parker.com

TH – Thailand, Bangkok
Tel: +662 717 8140

TR – Turkey, Istanbul
Tel: +90 216 4997081
parker.turkey@parker.com

TW – Taiwan, Taipei
Tel: +886 2 2298 8987

UA – Ukraine, Kiev
Tel: +380 44 494 2731
parker.ukraine@parker.com

UK – United Kingdom, Barnstaple
Tel: +44 (0)1271 313131
parker.uk@parker.com

US – USA, Cleveland
Tel: +1 216 896 3000

VE – Venezuela, Caracas
Tel: +58 212 238 5422

ZA – South Africa, Kempton Park
Tel: +27 (0)11 961 0700
parker.southafrica@parker.com

European Product Information Centre
Free phone: 00 800 27 27 5374
(from AT, BE, CH, CZ, DE, DK, EE, EI, ES, FI, FR, IT, NL, NO, PL, RU, SE, SK, UK, ZA)

