

Hand Valves and Gauge Valves

Ordering information

- Example 1: **HNVS8M8FHPLHW**
- Example 2: **HGV6MO12M8F3PBVBMNC**
- Example 3: **HNVVWGS8A8RPBMNC**
- Example 4: **HGV6MOIVAM12PFCAM6RTATK**

HNVS	8M8F	FHPLHW
HGV	6MO	12M8F3PBVBMNC
HNVVWG	8A8R	PBMNC
HGV	6MO	IVAM12PFCAM6RTATK

Straight pattern needle valve, 316 Stainless Steel, PTFE packing, 10,000 PSI, 1/2" NPT Male inlet, 1/2" NPT Female outlet with locking handwheel operation.

Multi-ported Gauge valve, 6MO Super Austenitic Stainless Steel, conforming to NACE MR-01-75 latest revision, Graphite packing, 3/4" NPT Male inlet, 3 x 1/2" NPT Female outlets, with blank plug, bleed valve and base mounting holes.

Single ported Gauge valve with integral swivel gauge outlet connection, inlet ports are 1/2" A-LOK tube, whilst outlet swivel connection is 1/2" BSPP. The side port in 1/4" NPT fitted with blank plug and the valve has base mounting holes. Material of construction is 316 stainless steel conforming to NACE and gland packing is PTFE.

Multi-ported Gauge valve, 6MO Super Austenitic Stainless Steel with 12mm Inverted A-LOK tube connections to inlet and outlet, having 6mm A-LOK PTFree connect male connectors to the side ports. Other options are regulating tip with Anti-Tamper operation and one key.

Series	
HNVS	Hand valve straight pattern
HNAV	Hand valve angle pattern
HNVS	Gauge valve single ported ¹
HNVSWG	Gauge valve single ported with Integral Swivel Gauge connection ²
HGV	Gauge valve multi-ported ³
HGVX	Gauge valve multi-ported extended
HGVWG	Gauge valve multi-ported with Integral Swivel Gauge connection ²
HRPV4	Rising plug valve

¹ For single ported gauge valves, port is standard as 1/4" NPT Fem. For other options, see tables.

² Integral welded swivel gauge adaptor for HNVV & HGV model types only as standard as 1/2" BSPP (**8R**). 1/4" BSPP (**4R**) by special request.

Available in 316SS as standard. Consult your local Parker representation for other material options.

³ For multi-ported gauge valves, ports (2x) are standard as 1/2" NPT Fem. For other options, see tables.

Materials			
S	316/316L Stainless Steel	HC	Alloy C276
6MO	6MO Sup. Aust. St.Steel	T	Titanium Gr. 2
M	Alloy M400	825	Alloy 825
D1	Duplex 22 Cr. Steel	625	Alloy 625
D2	Super Duplex 25 Cr. Steel	C	Carbon Steel ⁴

⁴For Carbon Steel consult your local Parker representation.

Connections - Standard					
	Inlet	Outlet		Inlet	Outlet
4FF	1/4" NPT Fem.	1/4" NPT Fem.	4A	1/4" A-LOK ⁵	1/4" A-LOK ⁵
6FF	3/8" NPT Fem.	3/8" NPT Fem.	6A	3/8" A-LOK ⁵	3/8" A-LOK ⁵
8FF	1/2" NPT Fem.	1/2" NPT Fem.	8A	1/2" A-LOK ⁵	1/2" A-LOK ⁵
12FF	3/4" NPT Fem.	3/4" NPT Fem.	M6A	6mm A-LOK ⁵	6mm A-LOK ⁵
16FF	1" NPT Fem.	1" NPT Fem.	M10A	10mm A-LOK ⁵	10mm A-LOK ⁵
4M4F	1/4" NPT Male	1/4" NPT Fem.	M12A	12mm A-LOK ⁵	12mm A-LOK ⁵
6M6F	3/8" NPT Male	3/8" NPT Fem.	⁵ For CPI™ change A to Z.		
8M8F	1/2" NPT Male	1/2" NPT Fem.			
12M8F	3/4" NPT Male	1/2" NPT Fem.			

Other Connection Options	
*F	Female connection. Utilised when connection choices vary
*K	BSPT BS21, ISO7/1 - British Standard Taper Pipe thread
*R	BSPP BS2779 - British Standard Parallel Pipe thread
*RD	DIN 16284/16288/EN837 BSPP gauge connection type
SW*	ASME B16.11, EN12760 Female Socket Weld ⁶
*M2X	ISO Metric M20x1.5 Parallel Pipe thread - outlet option with Swivel Gauge connection (WG type)

* Insert connection size - Fem. thread is default.

⁶ As standard, valves with Female Socket Weld connections will be of the same length as per the equivalent NPT pipe threaded variants.

Butt Weld and Male Socket Weld - Pipe					
Type		Size		Schedule (Thickness)	Extension
BW	Butt Weld ⁷	4	1/4" NB	*	Default
		6	3/8" NB		
		8	1/2" NB		
MSW	Male Socket Weld ⁸	12	3/4" NB	B	Sch.XXS

⁷ As standard, valves with butt weld pipe connections will be of the same length as per the equivalent male NPT pipe threaded variants. Extended body dimensions are also offered - see tables and main catalogue.

⁸ As standard, valves with Male socket weld connections will have 1/2" (13mm) added to overall length (per connection) when compared to equivalent threaded valve. Extended body dimensions are also offered - see tables and main catalogue.

Example: 3/4" NB male socket weld connection with Sch.XXS wall pipe and 100mm body extension = **MSW12BD**.

* No designator required when standard/default is selected/applied.

⁹ Examples:

- 10mm A-LOK inverted inlet/outlet & 1/4" NPT Fem. vent/drain = **IVAM104F**
- 10mm CPI inverted inlet/outlet & 1/4" NPT Fem. vent/drain = **IVZM104F**

¹⁰ PTFree connect™ option recommended for multi-port and single port gauge valve side ports, when a tube connection is required.

Examples:

- 10mm A-LOK tube stub con. inlet/outlet & 1/4" NPT Fem. vent/drain = **PFAM104F**
- 3/8" CPI male union con. inlet/outlet & 1/4"NPT Fem. vent/drain = **PFCZI64F**

¹¹ 1/4" NPT Fem. is default standard for bleed/vent/drain, some model types may be available with other connections

OPTIONS	
High Pressure - 10,000 PSI (689 bar) option	
HP	High Pressure ¹²
Gland Packing Options	
3	Graphite ¹³
FS	Firesafe design ¹⁴
Seating Options - Needle Valves only	
6S	6mm bore seat
RT	Regulating/Metering Tip
ST	Stellite Tip
9	PCTFE Soft Tip ¹⁵
PK	PEEK Soft Tip
Plug/Bleed Valve Options¹⁶	
P	Blank Plug
BV	Bleed Valve/Plug
PBV	Blank Plug and Bleed Valve/Plug
Operator Options	
HW	Handwheel
LHW	Handwheel Locking
THL	T Bar Locking
AT	Anti-Tamper ¹⁷
ATK	Anti-Tamper with Key ¹⁸
ATHKEY	Anti-Tamper Key ¹⁹
Mounting Options	
PM	Panel Mount
BM	Base Mount
BK	Assembled with Carbon Steel bracketry & bolts ²⁰
BKS	Assembled with Stainless Steel bracketry & bolts ²⁰
Other Options	
OX	Cleaned & lubricated for Oxygen use
NC	NACE MR-01-75 Compliant
M*	Assembly and Test of Free Issue Instrument

¹² Not necessary for HRPV models.

¹³ Not available for HRPV models. Not required when Firesafe design option (**FS**) selected.

¹⁴ Not available for PCTFE Soft tip (**9**), HRPV models or Oxygen cleaned product (**OX**).

¹⁵ 3,000 PSI/207 BAR only. See catalogue page 14.

¹⁶ Plugs supplied loose in a packing box. Typically required with multi-port gauge valves and single vent hand valves. See page 61.

¹⁷ Anti-Tamper operation and no key.

¹⁸ Anti-Tamper operation and one key supplied per manifold.

¹⁹ Anti-Tamper key. Specify quantity required as separate line item.

²⁰ Available on **HNVS** and **HGV** / **HGVWG** series only. Contact your local Parker representative for further support.

* Specify assembly and test option - see page 71. Gauge valves only.

IMPORTANT NOTES:

- For optimum results in integral tube connections on hand valves and gauge valves, the use of Parker pre-assembly tooling is highly recommended. For inverted style integral tube connections the use of Parker pre-assembly tooling is mandatory.
- Not all options/combinations are available in each single product model type.
- We reserve the right to review/revise this part number structure at any time. If necessary, we can refuse and/or recommend the most suitable alternative part number(s). We may also apply MOQ rules.
- Should your part number selection exceed 25 characters in length when completed, then it is likely to be incorrect, please consult your local Parker representation for assistance.
- If in any doubt, please consult your local Parker representation.