

# HABONIM Code System

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St. 316 (L)</td><td>6</td></tr> <tr><td>Monel</td><td>7</td></tr> <tr><td>S. Steel 304</td><td>8</td></tr> <tr><td>C. Steel LCB</td><td>9</td></tr> <tr><td>Alloy-20</td><td>A</td></tr> <tr><td>Hastelloy-C276</td><td>C</td></tr> <tr><td>Duplex</td><td>D</td></tr> <tr><td>S. Steel 317L</td><td>E</td></tr> <tr><td>C. Steel LF2</td><td>F</td></tr> <tr><td>Inconel 625</td><td>I</td></tr> <tr><td>AL6XN</td><td>L</td></tr> <tr><td>Super Duplex</td><td>K</td></tr> <tr><td>17-4PH</td><td>M</td></tr> <tr><td>SMO254</td><td>S</td></tr> <tr><td>Titanium Gr.2</td><td>T</td></tr> <tr><td>Hastelloy-C22</td><td>W</td></tr> <tr><td>904L</td><td>Y</td></tr> <tr><td>Inconel 718</td><td>Z</td></tr> </tbody> </table>	Body / End	Code	Bronze	1	Carbon steel	4	Brass	5	S. St. 316 (L)	6	Monel	7	S. Steel 304	8	C. Steel LCB	9	Alloy-20	A	Hastelloy-C276	C	Duplex	D	S. Steel 317L	E	C. 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Plasma Nitride</td></tr> <tr><td>HC</td><td>High Cycle</td></tr> <tr><td>DS</td><td>Dual Safe</td></tr> <tr><td>TV</td><td>Twin Valve</td></tr> <tr><td>SRS</td><td>Self Relief Seat</td></tr> <tr><td>HYD</td><td>Hydrogen Service (H27)</td></tr> </tbody> </table>	Features	Code	90°	Diverter Ball Valve 90° Turn	180°	Diverter Ball Valve 180° Turn	A0866	Stem Seal Ammonia	P043	Stem Seal for Vacuum and Searching Gas	F043	Stem Seal for Freon	P250	Ball with Pressure Relief Hole	J2 or J3	Jacketed Valve, 2 or 3 Outlets	FE	Fugitive Emission	V□□, S□□	Control Valve Seat	VB□□, SB□□	Control Valve Ball	DBB	Double Block & Bleed	NACE	Nace MR01-75	K	Locking Device	EP	Electro Polish	DHN	Nitride Coating	PN	Low Temp. Plasma Nitride	HC	High Cycle	DS	Dual Safe	TV	Twin Valve	SRS	Self Relief Seat	HYD	Hydrogen Service (H27)
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Body / End	Code																																																																																																																																																																																																																																																																																																																																																																												
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Brass	5																																																																																																																																																																																																																																																																																																																																																																												
S. St. 316 (L)	6																																																																																																																																																																																																																																																																																																																																																																												
Monel	7																																																																																																																																																																																																																																																																																																																																																																												
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Alloy-20	A																																																																																																																																																																																																																																																																																																																																																																												
Hastelloy-C276	C																																																																																																																																																																																																																																																																																																																																																																												
Duplex	D																																																																																																																																																																																																																																																																																																																																																																												
S. Steel 317L	E																																																																																																																																																																																																																																																																																																																																																																												
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AL6XN	L																																																																																																																																																																																																																																																																																																																																																																												
Super Duplex	K																																																																																																																																																																																																																																																																																																																																																																												
17-4PH	M																																																																																																																																																																																																																																																																																																																																																																												
SMO254	S																																																																																																																																																																																																																																																																																																																																																																												
Titanium Gr.2	T																																																																																																																																																																																																																																																																																																																																																																												
Hastelloy-C22	W																																																																																																																																																																																																																																																																																																																																																																												
904L	Y																																																																																																																																																																																																																																																																																																																																																																												
Inconel 718	Z																																																																																																																																																																																																																																																																																																																																																																												
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TFM™		A																																																																																																																																																																																																																																																																																																																																																																											
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Reinforced PTFE 25% Glass filled		J																																																																																																																																																																																																																																																																																																																																																																											
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Metal		M																																																																																																																																																																																																																																																																																																																																																																											
NRG		P																																																																																																																																																																																																																																																																																																																																																																											
Reinforced PTFE 15% Glass filled		R																																																																																																																																																																																																																																																																																																																																																																											
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Buna "N" Shore 90		B																																																																																																																																																																																																																																																																																																																																																																											
EPDM (EPR)		E																																																																																																																																																																																																																																																																																																																																																																											
Graphite		G																																																																																																																																																																																																																																																																																																																																																																											
Impregnated Graphite		I																																																																																																																																																																																																																																																																																																																																																																											
Neoprene		N																																																																																																																																																																																																																																																																																																																																																																											
Reinforced PTFE 15% Glass filled		R																																																																																																																																																																																																																																																																																																																																																																											
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BSPT	BS 21																																																																																																																																																																																																																																																																																																																																																																												
DIN	DIN 2999 (BSPP)																																																																																																																																																																																																																																																																																																																																																																												
DIN3852	DIN 3852																																																																																																																																																																																																																																																																																																																																																																												
NPT	B1.20.1																																																																																																																																																																																																																																																																																																																																																																												
BW	Buttweld sch 5, 10, 40, 80, 160																																																																																																																																																																																																																																																																																																																																																																												
XBW	Extended buttweld																																																																																																																																																																																																																																																																																																																																																																												
SW	Socket weld																																																																																																																																																																																																																																																																																																																																																																												
XSW	Extended socket weld																																																																																																																																																																																																																																																																																																																																																																												
TC	Sanitary clamp																																																																																																																																																																																																																																																																																																																																																																												
ETO	Extended OD tube																																																																																																																																																																																																																																																																																																																																																																												
ETI	Extended ISO tube																																																																																																																																																																																																																																																																																																																																																																												
ETD	Extended DIN tube																																																																																																																																																																																																																																																																																																																																																																												
TCI	ISO sanitary clamp																																																																																																																																																																																																																																																																																																																																																																												
TCD	DIN sanitary clamp																																																																																																																																																																																																																																																																																																																																																																												
BWI	Buttweld ISO																																																																																																																																																																																																																																																																																																																																																																												
BWD	Buttweld DIN																																																																																																																																																																																																																																																																																																																																																																												
BWO	Buttweld OD tube																																																																																																																																																																																																																																																																																																																																																																												
KLM	Copper tube (inch)																																																																																																																																																																																																																																																																																																																																																																												
XYZ	Copper tube (metric)																																																																																																																																																																																																																																																																																																																																																																												
XKLM	Extended Bronze End																																																																																																																																																																																																																																																																																																																																																																												
LL	Let Lok (inch)																																																																																																																																																																																																																																																																																																																																																																												
LM	Let Lok (metric)																																																																																																																																																																																																																																																																																																																																																																												
PN16	Flanged DIN PN16																																																																																																																																																																																																																																																																																																																																																																												
PN40	Flanged DIN PN40																																																																																																																																																																																																																																																																																																																																																																												
150	Flanged ANSI 150#																																																																																																																																																																																																																																																																																																																																																																												
300	Flanged ANSI 300#																																																																																																																																																																																																																																																																																																																																																																												
600	Flanged ANSI 600#																																																																																																																																																																																																																																																																																																																																																																												
Features	Code																																																																																																																																																																																																																																																																																																																																																																												
90°	Diverter Ball Valve 90° Turn																																																																																																																																																																																																																																																																																																																																																																												
180°	Diverter Ball Valve 180° Turn																																																																																																																																																																																																																																																																																																																																																																												
A0866	Stem Seal Ammonia																																																																																																																																																																																																																																																																																																																																																																												
P043	Stem Seal for Vacuum and Searching Gas																																																																																																																																																																																																																																																																																																																																																																												
F043	Stem Seal for Freon																																																																																																																																																																																																																																																																																																																																																																												
P250	Ball with Pressure Relief Hole																																																																																																																																																																																																																																																																																																																																																																												
J2 or J3	Jacketed Valve, 2 or 3 Outlets																																																																																																																																																																																																																																																																																																																																																																												
FE	Fugitive Emission																																																																																																																																																																																																																																																																																																																																																																												
V□□, S□□	Control Valve Seat																																																																																																																																																																																																																																																																																																																																																																												
VB□□, SB□□	Control Valve Ball																																																																																																																																																																																																																																																																																																																																																																												
DBB	Double Block & Bleed																																																																																																																																																																																																																																																																																																																																																																												
NACE	Nace MR01-75																																																																																																																																																																																																																																																																																																																																																																												
K	Locking Device																																																																																																																																																																																																																																																																																																																																																																												
EP	Electro Polish																																																																																																																																																																																																																																																																																																																																																																												
DHN	Nitride Coating																																																																																																																																																																																																																																																																																																																																																																												
PN	Low Temp. Plasma Nitride																																																																																																																																																																																																																																																																																																																																																																												
HC	High Cycle																																																																																																																																																																																																																																																																																																																																																																												
DS	Dual Safe																																																																																																																																																																																																																																																																																																																																																																												
TV	Twin Valve																																																																																																																																																																																																																																																																																																																																																																												
SRS	Self Relief Seat																																																																																																																																																																																																																																																																																																																																																																												
HYD	Hydrogen Service (H27)																																																																																																																																																																																																																																																																																																																																																																												

\* New Cryogenic series: C47C, C31C, C32C, C73C, C74C, C77C, C78C. See example A

\* For standard Hermetix valves enter X after series number. For limited cases where Hermetix is not offered enter P. See example B

Other materials are available on request.

Other end connections are available on request.

For multi port valve flow identification follow the 61P/62P catalogue.

DELIRIN® is a registered trademark of DuPont, VESPEL® is a registered trademark of DuPont, TFM™ is a trademark of Dyneon, PEEK® is a trademark of VICTREX, Viton® is registered trademarks of DuPont.

In accordance with our policy to strive for continuous improvement of the product, we reserve the right to alter the dimensions, technical data and information included in this catalogue when required.

## Example A: 10 C47C-6666PT/BW

Size 1" (10), Cryogenic Service (C), Three Piece Cryogenic Series (47C), S.St. 316 Body Ends & Trim (6666), NRG Seats (P), PTFE Seats (T), SCH 40 Buttweld ends (BW)

## Example B: 15 74X-6666AT/300

1 1/2" (15), Flanged full port#300(74X), S.St Body& End (66), S.st. Trim (66), TFM seat (A) PTFE Body Seal(T)



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