

Ghilux Ball Valves Series



Ghinox Stainless Steel Ball Valves Series



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CHROME PLATED BRASS & STAINLESS STEEL BALL VALVES



Ball Valves Series



TECHNICAL CHARACTERISTICS



Standard Reference

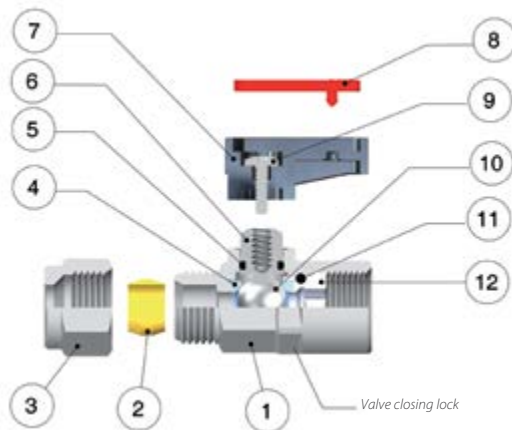
1907/2006
REACH✓

2011/65/CE
RoHS✓

PED
2014/68/UE

ISO
14743:2020

SILICON
FREE



Component Parts and Materials

- 1 Chrome Nickel-plated Brass Body
- 2 Brass Olive (if requested PTFE)
- 3 Chrome Nickel-plated Brass Nut
- 4 PTFE Seats
- 5 NBR Seal O-RING (FKM-EPDM-HNBR if required)
- 6 Chrome Nickel-plated Brass Spindle
- 7 PA66 Glass reinforced Handle
- 8 Acetalic resin Plate
- 9 Steel Screw
- 10 Chrome Nickel-plated Brass Ball
- 11 NBR Seal O-RING*
- 12 Brass Fitting



Pressure Rating

Vacuum ~ 250 PSI
-0.99 bar ~ 20 bar
-0.099 MPa ~ 2.0 MPa



Temperatures

NBR	EPDM <i>on request</i>	FKM <i>on request</i>
-4° F ~ 176° F	-40° F ~ 266° F	+ 5° F ~ 266° F
-20° C ~ 80° C	-40° C ~ 130° C	-15° C ~ 130° C



Media

- Compressed air
- Water
- Oils
- Rated for gases, consult factory for details



Threads

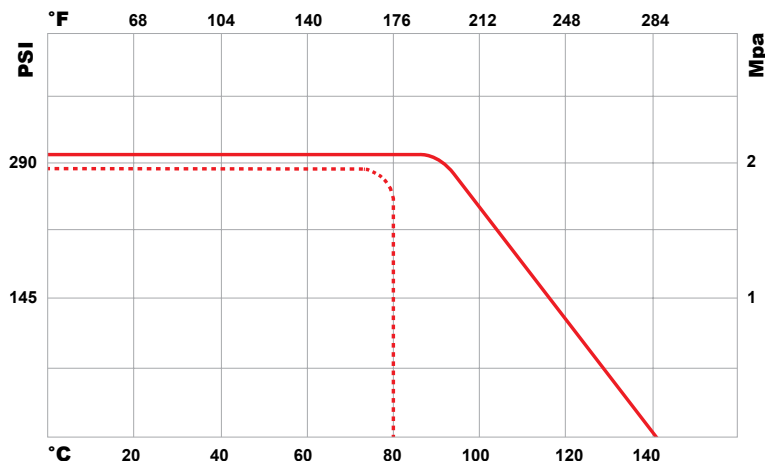
Gas in conformity with ISO7.1, BS 21, DIN 2999.
Parallel gas in conformity with ISO 228 Class A.



PRESSURE - TEMPERATURE RATINGS DIAGRAM

PTFE + FKM

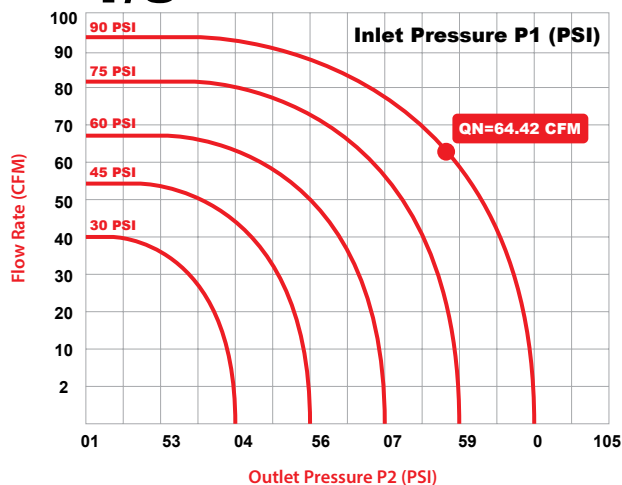
PTFE + NBR



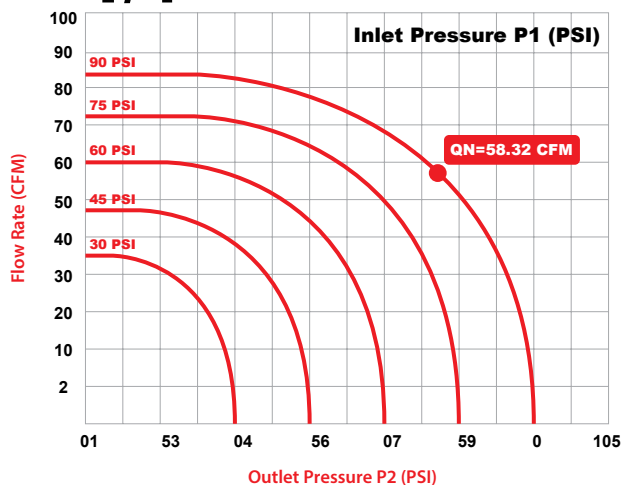


BALL VALVES SPECIFICATIONS

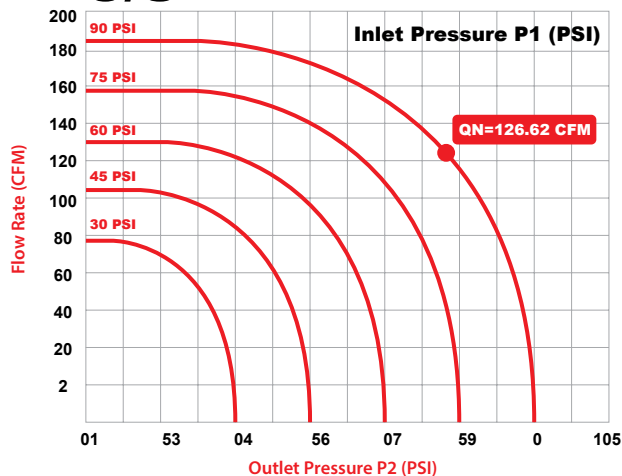
1/8"



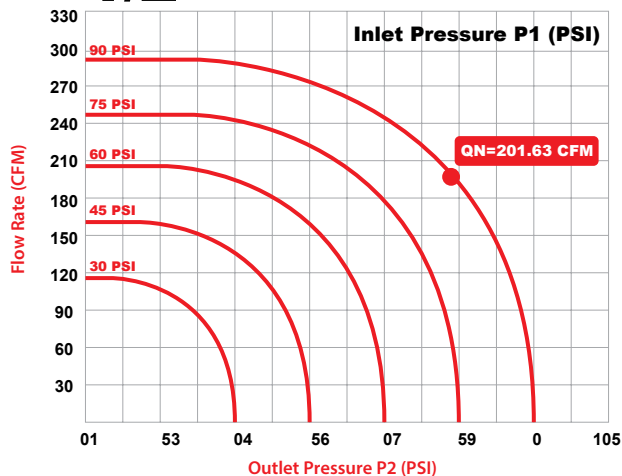
1/4"



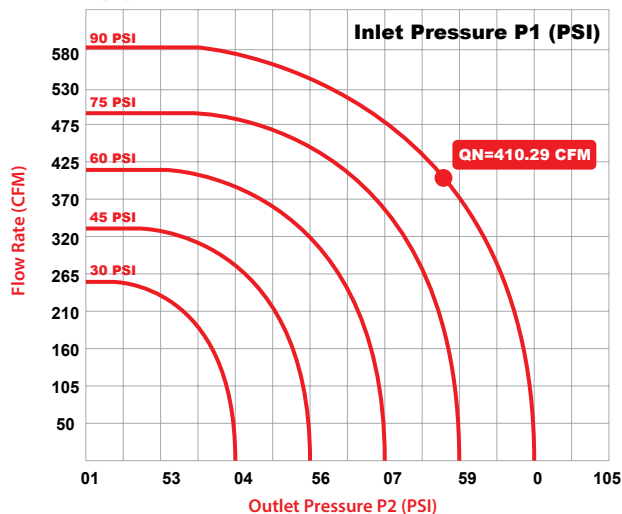
3/8"



1/2"



3/4"





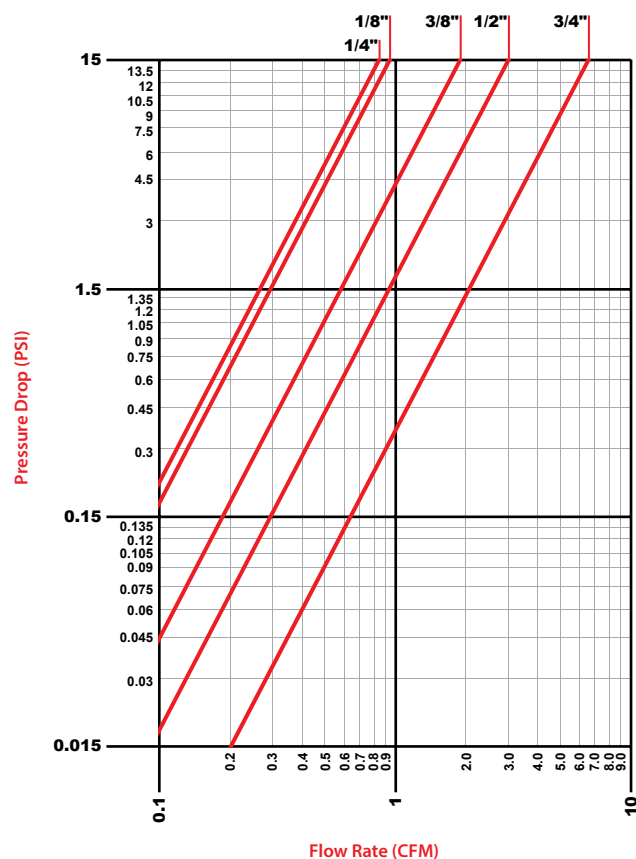
BALL VALVES SPECIFICATIONS



Flow Rate & Pressure Drop

In the table below, we specify the flow rate factors of our ball valves. These factors represent the amount of air and water that flows through the valve. They are measured by Cubic Feet per Minute (CFM) at 60° F.

Factors of flow rate		
Thread Size	CFM	m ³ /h
1/8"	0.95	1.6
1/4"	0.86	1.4
3/8"	1.86	3.1
1/2"	2.97	5
3/4"	6.05	10.2



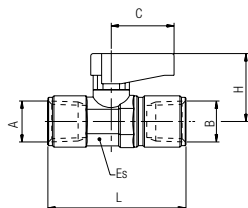
Option

PART NUMBER	SIZE	COLOR	TYPE OF THE SEAL	TYPE OF HANDLE
86300	3/8-3/8	BLUE PLATE	NBR	
		Blue Plate BL	NBR	Standard Short Handle for Valve 1/8-1/4-3/8-1/2 Standard Long Handle for Valve 3/4
If required				
		Red Plate RO Green Plate VE White Plate BN Yellow Plate GI	FKM HNBR EPDM	LONG Handle Long Handle with Spindle Extension
		GAS: Yellow Plate EN 331 GI		

86300

FEMALE X FEMALE

NPTF

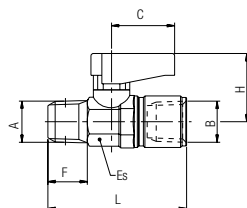


Code	Usa Ref	A	NPTF	B	NPTF	DN	ES	L	C	H	Pack
86300 00 001	86300-02-02	1/8	1/8	.217 (5,5)	.551 (14) - .591 (15)	.551 (14)	.551 (14) - .591 (15)	1.476 (37,5)	.748 (19)	.827 (21)	10
86300 00 002	86300-04-04	1/4	1/4	.217 (5,5)	.551 (14) - .591 (15)	.551 (14)	.551 (14) - .591 (15)	1.811 (46)	.748 (19)	.827 (21)	10
86300 00 003	86300-06-06	3/8	3/8	.315 (8)	.709 (18) - .748 (19)	.315 (8)	.709 (18) - .748 (19)	1.909 (48,5)	.748 (19)	.866 (22)	10
86300 00 004	86300-08-08	1/2	1/2	.394 (10)	.866 (22) - .906 (23)	.394 (10)	.866 (22) - .906 (23)	2.441 (62)	1.024 (26)	1.201 (30,5)	10

86310

MALE X FEMALE

NPTF

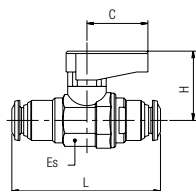


Code	Usa Ref	A	NPTF	B	NPTF	DN	ES	F	L	C	H	Pack
86310 00 001	86310-02-02	1/8	1/8	.217 (5,5)	.551 (14) - .591 (15)	.217 (5,5)	.551 (14) - .591 (15)	.335 (8,5)	1.476 (37,5)	.748 (19)	.827 (21)	10
86310 00 002	86310-04-04	1/4	1/4	.217 (5,5)	.551 (14) - .591 (15)	.217 (5,5)	.551 (14) - .591 (15)	.512 (13)	1.811 (46)	.748 (19)	.827 (21)	10
86310 00 003	86310-06-06	3/8	3/8	.315 (8)	.709 (18) - .748 (19)	.315 (8)	.709 (18) - .748 (19)	.512 (13)	1.909 (48,5)	.748 (19)	.866 (22)	10
86310 00 004	86310-08-08	1/2	1/2	.394 (10)	.866 (22) - .906 (23)	.394 (10)	.866 (22) - .906 (23)	.669 (17)	2.441 (62)	1.024 (26)	1.201 (30,5)	10
86310 00 005	86310-12-12	3/4	3/4	.551 (14)	1.102 (28) - 1.181 (30)	.551 (14)	1.102 (28) - 1.181 (30)	.689 (17,5)	2.500 (63,5)	1.953 (49,5)	1.319 (33,5)	5

86320

INCH TUBE X INCH TUBE

Inch tube

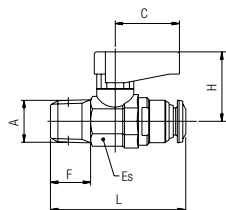


Code	Usa Ref	Tube	Tube	ES	L	C	H	Pack
86320 00 001	86320-02-02	1/8	1/8	.551 (14) - .591 (15)	1.673 (42,5)	.748 (19)	.828 (21)	10
86320 00 002	86320-04-04	1/4	1/4	.551 (14) - .591 (15)	1.831 (46,5)	.748 (19)	.828 (21)	10
86320 00 003	86320-06-06	3/8	3/8	.709 (18) - .748 (19)	2.382 (60,5)	.748 (19)	.866 (22)	10

86330

INCH TUBE X MALE

Inch tube

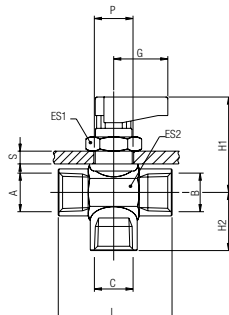


Code	Usa Ref	Tube	A NPTF	F NPTF	ES	L	C	H	Pack
86330 00 001	86330-53-02	5/32 (4)	1/8	.332 (8,5)	.551 (14) - .591 (15)	1.365 (35)	.741 (19)	.819 (21)	10
86330 00 004	86330-04-02	1/4	1/8	.332 (8,5)	.551 (14) - .591 (15)	1.574 (40)	.741 (19)	.819 (21)	10
86330 00 002	86330-04-04	1/4	1/4	.488 (12,5)	.551 (14) - .591 (15)	1.502 (38,5)	.741 (19)	.819 (21)	10
86330 00 003	86330-06-06	3/8	3/8	.507 (13)	.709 (18) - .748 (19)	1.755 (45)	.741 (19)	.858 (22)	10

86700

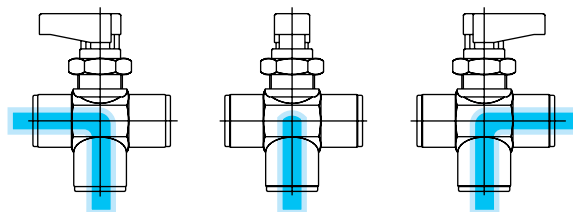
THREE POSITION (CLOSED CENTER)

NPTF



Code	Usa Ref	A/B/C	DN	ES1	ES2	L	G	H1	H2	S max	Pack
86700 00 001	86700-02	1/8	.217 (5,5)	.669 (17)	.669 (17)	1.476 (37,5)	.748 (19)	1.319 (33,5)	.650 (16,5)	.177 (4,5)	10
86700 00 002	86700-04	1/4	.217 (5,5)	.669 (17)	.669 (17)	1.476 (37,5)	.748 (19)	1.319 (33,5)	.650 (16,5)	.177 (4,5)	10
86700 00 003	86700-06	3/8	.276 (7)	.669 (17)	.827 (21)	1.909 (48,5)	.748 (19)	1.378 (35)	.866 (22)	.177 (4,5)	10

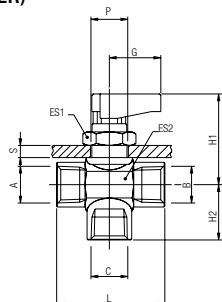
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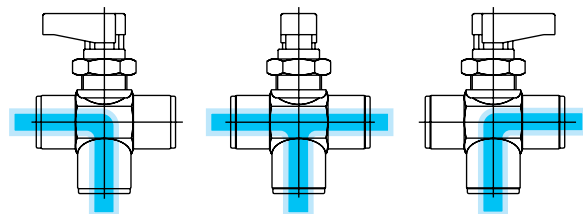
86710

THREE POSITION (OPEN CENTER)

NPTF



NO GAS

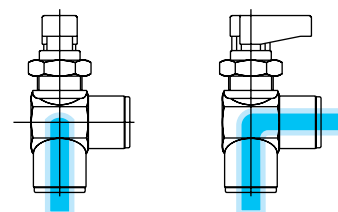
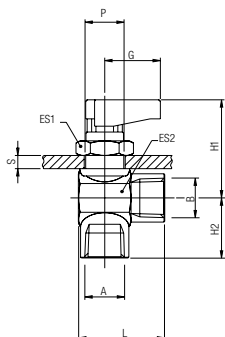


Code	Usa Ref	A/B/C	DN	ES1	ES2	L	G	H1	H2	S max	Pack
86710 00 001	86710-02	1/8	.217 (5,5)	.669 (17)	.669 (17)	1.476 (37,5)	.748 (19)	1.319 (33,5)	.650 (16,5)	.177 (4,5)	10
86710 00 002	86710-04	1/4	.217 (5,5)	.669 (17)	.669 (17)	1.476 (37,5)	.748 (19)	1.319 (33,5)	.650 (16,5)	.177 (4,5)	10
86710 00 003	86710-06	3/8	.276 (7)	.827 (21)	.827 (21)	1.909 (48,5)	.748 (19)	1.378 (35)	.866 (22)	.177 (4,5)	10

86720

RIGHT ANGLE

NPTF



Code	Usa Ref	A/B	DN	ES1	ES2	L	G	H1	H2	S max	Pack
86720 00 001	86720-02	1/8	.217 (5,5)	.669 (17)	.669 (17)	1.476 (37,5)	.748 (19)	1.319 (33,5)	.650 (16,5)	.177 (4,5)	10
86720 00 002	86720-04	1/4	.217 (5,5)	.669 (17)	.669 (17)	1.476 (37,5)	.748 (19)	1.319 (33,5)	.650 (16,5)	.177 (4,5)	10
86720 00 003	86720-06	3/8	.276 (7)	.669 (17)	.827 (21)	1.535 (39)	.748 (19)	1.378 (35)	.866 (22)	.177 (4,5)	10

6300

FEMALE X FEMALE

BSPT



Code	Usa Ref	A	B	DN	ES	F	M	L	G	H	Pack
06300 00 001	6300-1/8	1/8	1/8	.217 (5,5)	.551(14) - .591(15)	.291 (7,4)	.291 (7,4)	1.417 (36)	.748 (19)	.827 (21)	10
06300 00 002	6300-1/4	1/4	1/4	.217 (5,5)	.551(14) - .591(15)	.433 (11)	.433 (11)	1.693 (43)	.748 (19)	.827 (21)	10
06300 00 003	6300-3/8	3/8	3/8	.315 (8)	.709(18) - .748(19)	.449 (11,4)	.449 (11,4)	1.850 (47)	.748 (19)	.866 (22)	10
06300 00 004	6300-1/2	1/2	1/2	.394 (10)	.866(22) - .906(23)	.591 (15)	.591 (15)	2.323 (59)	1.024 (26)	1.201 (30,5)	10
06300 00 055	6300-3/4	3/4	3/4	.551 (14)	1.102(28) - 1.181(30)	.642 (16,3)	.642 (16,3)	2.638 (67)	1.969 (50)	1.299 (33)	5

6310

MALE X FEMALE

BSPT



Code	Usa Ref	A	B	DN	ES	F	M	L	G	H	Pack
06310 00 001	6310-1/8-1/8	1/8	1/8	.217 (5,5)	.551(14) - .591(15)	.291 (7,4)	.291 (7,4)	1.417 (36)	.748 (19)	.827 (21)	10
06310 00 002	6310-1/4-1/8	1/4	1/8	.217 (5,5)	.551(14) - .591(15)	.433 (11)	.291 (7,4)	1.594 (40,5)	.748 (19)	.827 (21)	10
06310 00 003	6310-1/4-1/4	1/4	1/4	.217 (5,5)	.551(14) - .591(15)	.433 (11)	.433 (11)	1.693 (43)	.748 (19)	.827 (21)	10
06310 00 004	6310-3/8-3/8	3/8	3/8	.315 (8)	.709(18) - .748(19)	.449 (11,4)	.449 (11,4)	1.811 (46)	.748 (19)	.866 (22)	10
06310 00 005	6310-1/2-1/2	1/2	1/2	.394 (10)	.866(22) - .906(23)	.591 (15)	.591 (15)	2.244 (57)	1.024 (26)	1.201 (30,5)	10
06310 00 066	6310-3/4-3/4	3/4	3/4	.551 (14)	1.102(28) - 1.181(30)	.642 (16,3)	.642 (16,3)	2.480 (63)	1.969 (50)	1.299 (33)	5

6400

FEMALE X FEMALE

BSPP



Code	Usa Ref	A	B	DN	ES	F	M	L	G	H	Pack
06400 00 001	6400-1/8-1/8	1/8	1/8	.217 (5,5)	.551(14) - .591(15)	.276 (7)	.276 (7)	1.378 (35)	.748 (19)	.827 (21)	10
06400 00 002	6400-1/4-1/4	1/4	1/4	.217 (5,5)	.551(14) - .591(15)	.315 (8)	.315 (8)	1.457 (37)	.748 (19)	.827 (21)	10
06400 00 003	6400-3/8-3/8	3/8	3/8	.315 (8)	.709(18) - .748(19)	.354 (9)	.354 (9)	1.654 (42)	.748 (19)	.866 (22)	10
06400 00 004	6400-1/2-1/2	1/2	1/2	.394 (10)	.866(22) - .906(23)	.394 (10)	.394 (10)	1.929 (49)	1.024 (26)	1.201 (30,5)	10
06400 00 055	6400-3/4-3/4	3/4	3/4	.551 (14)	1.102(28) - 1.181(30)	.472 (12)	.472 (12)	2.283 (58)	1.969 (50)	1.299 (33)	5

6410

MALE X FEMALE

BSPP

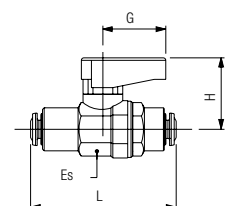


Code	Usa Ref	A	B	DN	ES	F	M	L	G	H	Pack
06410 00 001	6410-1/8-1/8	1/8	1/8	.217 (5,5)	.551(14) - .591(15)	.276 (7)	.276 (7)	1.378 (34)	.748 (19)	.827 (21)	10
06410 00 002	6410-1/4-1/8	1/4	1/8	.217 (5,5)	.551(14) - .591(15)	.315 (8)	.276 (7)	1.378 (35)	.748 (19)	.827 (21)	10
06410 00 003	6410-1/4-1/4	1/4	1/4	.217 (5,5)	.551(14) - .591(15)	.315 (8)	.315 (8)	1.378 (35)	.748 (19)	.827 (21)	10
06410 00 004	6410-3/8-3/8	3/8	3/8	.315 (8)	.709(18) - .748(19)	.354 (9)	.354 (9)	1.535 (39)	.748 (19)	.866 (22)	10
06410 00 005	6410-1/2-1/2	1/2	1/2	.394 (10)	.866(22) - .906(23)	.394 (10)	.394 (10)	1.772 (45)	1.024 (26)	1.201 (30,5)	10
06410 00 066	6410-3/4-3/4	3/4	3/4	.551 (14)	1.102(28) - 1.181(30)	.472 (12)	.472 (12)	2.047 (52)	1.969 (50)	1.299 (33)	5

6560

TUBE X TUBE

Metric tube

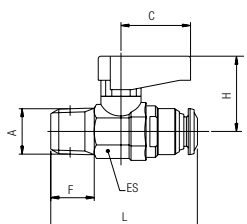


Code	Usa Ref	Tube	Tube	DN	ES	L	G	H	Pack
06560 00 001	6560-4-4	5/32 (4)	5/32 (4)	.118 (3)	.551(14) - .591(15)	1.732 (44)	.748 (19)	.827 (21)	10
06560 00 002	6560-6-6	6	6	.197 (5)	.551(14) - .591(15)	1.890 (48)	.748 (19)	.827 (21)	10
06560 00 003	6560-8-8	5/16 (8)	5/16 (8)	.217 (5,5)	.551(14) - .591(15)	1.890 (48)	.748 (19)	.827 (21)	10
06560 00 075	6560-10-10	10	10	.315 (8)	.709(18) - .748(19)	2.303 (58,5)	.748 (19)	.866 (22)	10
06560 00 076	6560-12-12	12	12	.394 (10)	.866(22) - .906(23)	2.598 (66)	1.024 (26)	1.201 (30,5)	10

6570

TUBE X MALE

Metric tube - BSPT



Code	Usa Ref	A	Tube	DN	F	ES	L	C	H	Pack
06570 00 001	6570-4-1/8	1/8	5/32 (4)	.118 (3)	.335 (8,5)	.551(14) - .591(15)	1.378 (35)	.748 (19)	.827 (21)	10
06570 00 002	6570-6-1/8	1/8	6	.197 (5)	.335 (8,5)	.551(14) - .591(15)	1.575 (40)	.748 (19)	.827 (21)	10
06570 00 004	6570-8-1/8	1/8	5/16 (8)	.217 (5,5)	.335 (8,5)	.551(14) - .591(15)	1.634 (41,5)	.748 (19)	.827 (21)	10
06570 00 003	6570-6-1/4	1/4	6	.315 (8)	.492 (12,5)	.551(14) - .591(15)	1.516 (38,5)	.748 (19)	.827 (21)	10
06570 00 005	6570-8-1/4	1/4	8	.394 (10)	.492 (12,5)	.551(14) - .591(15)	1.791 (45,5)	.748 (19)	.866 (22)	10

BALL VALVE ACCESSORIES

86900

SHORT HANDLE



Code	Usa Ref	C	H	Size Valve	Pack
* 06900 A0 30 00 00	* 86900-02	.748 (19)	.433 (11)	1/8 - 1/4 - 3/8	20
06900 B0 30 00 00	86900-08	1.024 (26)	.590 (15)	1/2 - 3/4	20

* Standard

86910

LONG HANDLE



Code	Usa Ref	C	H	Size Valve	Pack
06910 A0 30 00 00	86910-02	1.378 (35)	.433 (11)	1/8 - 1/4 - 3/8	20
* 06910 B0 30 00 00	* 86910-08	1.968 (50)	.590 (15)	1/2 - 3/4	20

* Standard

86915

STEM EXTENSION KIT



Code	Usa Ref	Size	L	Pack
06915 00 001	86915-02	1/8	2.283 (58)	10
		1/4	2.283 (58)	
		3/8	2.323 (59)	
06915 00 002	86915-08	1/2	2.677 (68)	10
		3/4	2.756 (70)	

86920

COLOR PLATE

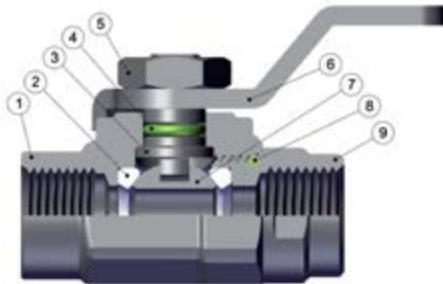


Code	Usa Ref	Color	Size	Pack
06920 A0 30 00 RO	86920-01	Blue (Standard Color)	1/8 - 1/4 - 3/8	10
06920 B0 30 00 RO	86920-02	Red	1/8 - 1/4 - 3/8	10
06920 A0 30 00 GI	86920-03	Green	1/8 - 1/4 - 3/8	10
06920 B0 30 00 GI	86920-04	Yellow	1/8 - 1/4 - 3/8	10
06920 A0 30 00 BL	86920-05	White	1/8 - 1/4 - 3/8	10
06920 B0 30 00 BL	86921-01	Blue (Standard Color)	1/2 - 3/4	10
06920 A0 30 00 VE	86921-02	Red	1/2 - 3/4	10
06920 B0 30 00 VE	86921-03	Green	1/2 - 3/4	10
06920 A0 30 00 BN	86921-04	Yellow	1/2 - 3/4	10
06920 B0 30 00 BN	86921-05	White	1/2 - 3/4	10

GHINOX SERIES: BALLVALVE IN STAINLESS STEEL AISI 316 L



TECHNICAL CHARACTERISTICS



Reference Standard



Component Parts and Materials

- 1 Stainless steel AISI 316L Body
- 2 PTFE Seats
- 3 Stainless steel AISI316L Spindle
- 4 FKM Seal O-RING
- 5 Stainless steel AISI316L Hex Nut
- 6 Stainless steel AISI316L Spindle
- 7 Stainless steel AISI316L Ball
- 8 FKM Seal O-RING
- 9 Stainless steel AISI316L Fitting



Pressure Rating

Vacuum ~ 580 PSI
 - 0.99 bar (-0.099 MPa)
 40 bar (4.0 MPa) (Cod: 66300 - 66310)
 20 bar (2.0 MPa) (Cod: 66560 - 66570)



Temperatures

Minimum temperature	5 °F - 15 °C
Maximum temperature in continuos	302 °F + 150 °C
Maximum temperature for short term	356 °F + 180 °C



Media

- Compressed air
- Vacuum
- Water
- Oils



Component Parts and Materials

- 1 Stainless steel AISI 316L Body
- 2 PTFE Seats
- 3 Stainless steel AISI316L Spindle
- 4 FKM Seal O-RING
- 5 Stainless steel AISI316L Hex Nut
- 6 Stainless steel AISI316L Spindle
- 7 Stainless steel AISI316L Ball
- 8 FKM Seal O-RING
- 9 Stainless steel AISI316L Fitting



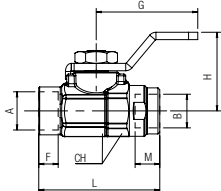
Threads

Gas in conformity with ISO7.1, BS 21, DIN 2999.

66300

FEMALE X FEMALE

BSPP

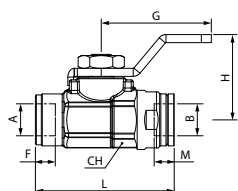


Code	Usa Ref	A	B	(DN)	CH	F	M	L	G	H	Pack
66300 00 001	66300-02-02	1/8	1/8	0.217 (5,5)	0.551-0.591 (14-15)	0.335 (8,5)	0.335 (8,5)	1.300 (33)	1.102 (28)	0.846 (21,5)	2
66300 00 002	66300-04-04	1/4	1/4	0.217 (5,5)	0.630-0.669 (16-17)	0.492 (12,5)	0.492 (12,5)	1.693 (43)	1.102 (28)	0.846 (21,5)	2

66301

FEMALE NPTF X FEMALE NPTF

NPTF

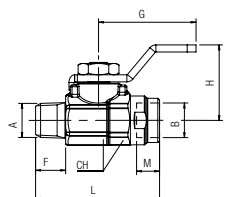


Code	Usa Ref	A	B	CH	F	M	L	G	H	Pack
66301 00 001	66301-02-02	1/8	1/8	0.551-0.591 (14-15)	0.375 (9,5)	0.375 (9,5)	1.366 (34,7)	1.082 (27,5)	0.846 (21,5)	2
66301 00 002	66301-04-04	1/4	1/4	0.630-0.669 (16-17)	0.522 (13,5)	0.522 (13,5)	1.759 (44,7)	1.082 (27,5)	0.846 (21,5)	2

66310

MALE X FEMALE

BSPT

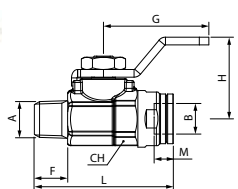


Code	Usa Ref	A	B	BSPP	DN	CH	F	M	L	G	H	Pack
66310 00 001	66310-02-02	1/8	1/8		0.217 (5,5)	0.551-0.591 (14-15)	0.335 (8,5)	0.335 (8,5)	1.378 (35)	1.102 (28)	0.846 (21,5)	2
66310 00 002	66310-04-04	1/4	1/4		0.217 (5,5)	0.630-0.669 (16-17)	0.492 (12,5)	0.492 (12,5)	1.752 (44,5)	1.102 (28)	0.846 (21,5)	2

66311

MALE NPTF X FEMALE NPTF

NPTF

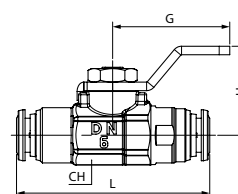


Code	Usa Ref	A	B	BSPP	CH	F	M	L	G	H	Pack
66311 00 001	66311-02-02	1/8	1/8		0.551-0.591 (14-15)	0.355 (9)	0.375 (9,5)	1.378 (35)	1.082 (27,5)	0.846 (21,5)	2
66311 00 002	66311-04-04	1/4	1/4		0.630-0.669 (16-17)	0.512 (13)	0.522 (13,5)	1.799 (45,7)	1.082 (27,5)	0.846 (21,5)	2

66560

TUBE X TUBE

Metric tube

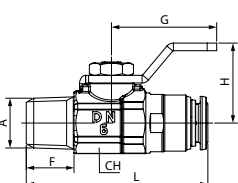


Code	Usa Ref	Tube	Tube	DN	CH	L	G	H	Pack
66560 00 002	66560-6-6	6	6	0.197 (5)	0.551-0.591 (14-15)	1.772 (45)	1.102 (28)	0.846 (21,5)	2
66560 00 003	66560-8-8	8	8	0.217 (5,5)	0.630-0.669 (16-17)	2.0048 (52)	1.102 (28)	0.846 (21,5)	2

66570

TUBE X MALE

BSPT



Code	Usa Ref	Tube	A	DN	F	CH	L	G	H	Pack
66570 00 002	66570-6-1/8	6	1/8	0.197 (5)	0.335 (8,5)	0.551-0.591 (14-15)	1.613 (41)	1.102 (28)	0.846 (21,5)	2
66570 00 003	66570-6-1/4	6	1/4	0.197 (5)	0.492 (12,5)	0.630-0.669 (16-17)	1.772 (45)	1.102 (28)	0.846 (21,5)	2
66570 00 004	66570-8-1/8	8	1/8	0.217 (5,5)	0.335 (8,5)	0.551-0.591 (14-15)	1.693 (43)	1.102 (28)	0.846 (21,5)	2
66570 00 005	66570-8-1/4	8	1/4	0.217 (5,5)	0.492 (12,5)	0.630-0.669 (16-17)	1.890 (48)	1.102 (28)	0.846 (21,5)	2

min

max



Pressure

20 bar

NOTES

[illegible]