

FluoroSeal Inc.

Specialty Valves



SLEEVED 2-WAY

SLEEVED PLUG VALVES — 2-WAY



2-WAY ANSI/ASME CLASS 150 LBS

Flanged Ends
Wrench or Enclosed Gear Operated
Actuators Optional on All Sizes

Dimensions to ANSI B16.5 & B16.10

E = Clearance required for resleeving measured from center line

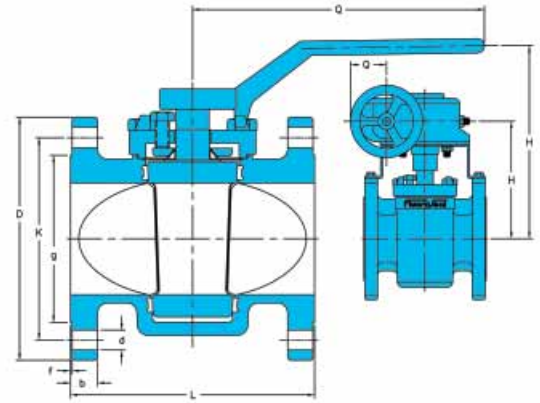
EG = Enclosed gear operated

N = Number of holes

Two (2) top holes in flanges are tapped with UNC threads. See Hole-UNC column

¹ Six (6) top holes

* 2 1/2" valves are made from 3" casting, but flanges are machined to 2 1/2" dimensions



SIZE	L		H		D		K		g		b		f		d		Q		Weight		E		N	Hole-UNC
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	kg	lbs	in	mm	#			
1/2"	4.25	108.00	3.38	86.00	3.50	88.90	2.38	60.50	1.38	35.00	0.37	9.50	0.06	1.52	0.63	16.00	8.00	203.00	2.3	5.0	6.38	162.10	4	-
3/4"	4.63	117.50	3.38	86.00	3.88	98.50	2.75	69.90	1.68	42.90	0.37	9.50	0.06	1.52	0.63	16.00	8.00	203.00	2.7	6.0	6.38	162.10	4	-
1"	5.00	127.00	4.50	114.00	4.25	108.00	3.13	79.50	2.00	50.80	0.44	11.20	0.06	1.52	0.63	16.00	9.00	229.00	3.6	8.0	8.50	215.90	4	-
1 1/2"	6.50	165.10	5.31	135.00	5.00	127.00	3.88	98.60	2.88	73.20	0.56	14.20	0.06	1.52	0.63	16.00	14.25	362.00	6.4	14.0	10.38	263.70	4	-
2"	7.00	177.80	6.25	159.00	6.00	152.40	4.75	120.70	3.63	92.00	0.63	16.00	0.06	1.52	0.75	19.00	16.50	419.00	10.5	23.0	12.25	311.20	4	-
*2 1/2"	8.00	203.20	6.56	167.00	7.50	190.50	5.50	139.70	4.13	104.60	0.75	19.00	0.06	1.52	0.75	19.00	16.50	419.00	16.4	36.0	12.63	320.80	4	-
3"	8.00	203.20	6.56	167.00	7.50	190.50	6.00	152.40	5.00	127.00	0.75	19.00	0.06	1.52	0.75	19.00	16.50	419.00	16.4	36.0	13.63	346.20	4	-
4"	9.00	228.60	7.63	194.00	9.00	228.60	7.50	190.50	6.19	157.20	0.94	23.90	0.06	1.52	0.75	19.00	23.63	600.00	26.8	59.0	16.25	412.80	8	-
4" EG	9.00	228.60	9.10	231.00	9.00	228.60	7.50	190.50	6.19	157.20	0.94	23.90	0.06	1.52	0.75	19.00	7.25	184.00	35.9	79.0	17.63	447.80	8	-
6" EG	10.50	266.70	10.80	274.00	11.00	279.40	9.50	241.30	8.50	215.90	1.00	25.40	0.06	1.52	0.88	22.40	7.25	184.00	55.5	122.0	21.75	552.50	8	-
8" EG	11.50	292.10	12.75	324.00	13.50	342.90	11.75	298.50	10.63	269.80	1.13	28.70	0.06	1.52	0.88	22.40	9.75	248.00	100.0	220.0	26.63	676.40	8	3/4"-10
10" EG	13.00	330.20	14.68	373.00	16.00	406.40	14.25	362.00	12.75	323.90	1.19	30.20	0.06	1.52	1.00	25.40	9.75	248.00	150.0	330.0	31.25	793.80	12	7/8"-9
12" EG	14.00	355.60	16.40	417.00	19.00	482.60	17.00	431.80	15.00	381.00	1.25	31.80	0.06	1.52	1.00	25.40	13.75	349.25	198.6	437.0	33.75	857.30	12	7/8"-9
14" EG	15.00	381.00	17.40	442.00	21.00	533.40	18.75	476.30	16.25	412.80	1.38	35.10	0.06	1.52	1.12	28.40	13.75	349.25	295.0	650.0	34.75	882.70	12	1"-8
16" EG	30.00	762.00	21.29	540.72	23.00	584.20	21.25	539.75	18.50	469.90	1.38	35.05	0.06	1.52	1.13	28.58	9.85	250.19	-	-	46.00	1168.40	16	1"-8
18" EG	34.00	863.60	21.29	540.84	25.00	635.00	22.75	577.85	21.00	533.40	1.50	38.10	0.06	1.52	1.25	31.75	9.85	250.19	-	-	46.00	1168.40	16	1 1/8"-8
20" EG	36.00	914.40	27.43	696.70	27.00	685.80	25.00	635.00	23.00	584.20	1.62	41.15	0.06	1.52	1.25	31.75	9.85	250.19	-	-	57.63	1463.80	20	1 1/8"-8 ¹
24" EG	42.00	1066.8	27.43	696.70	31.00	787.40	29.50	749.30	27.25	692.15	1.81	45.97	0.06	1.52	1.38	34.93	9.85	250.19	-	-	57.63	1463.80	20	1 1/4"-8

2-WAY ANSI/ASME CLASS 300 LBS

Flanged Ends
Wrench or Enclosed Gear Operated
Actuators Optional on All Sizes

Dimensions to ANSI B16.5 & B16.10

E = Clearance required for resleeving measured from center line

EG = Enclosed gear operated

N = Number of holes

Two (2) top holes in flanges are tapped with UNC threads. See Hole-UNC column

¹ Four (4) top holes

* 2 1/2" valves are made from 3" casting, but flanges are machined to 2 1/2" dimensions

SIZE	L		H		D		K		g		b		f		d		Q		Weight		E		N	Hole-UNC
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	kg	lbs	in	mm	#			
1/2"	5.50	139.70	3.38	86.00	3.75	95.30	2.63	66.80	1.38	35.00	0.56	14.20	0.06	1.52	0.63	16.00	8.00	203.00	3.2	7.0	6.38	162.10	4	-
3/4"	6.00	152.40	3.38	86.00	4.63	117.60	3.25	82.60	1.69	42.70	0.63	16.00	0.06	1.52	0.75	19.00	8.00	203.00	4.1	9.0	6.38	162.10	4	-
1"	6.50	165.10	4.50	114.00	4.88	124.00	3.50	88.90	2.00	50.80	0.69	17.50	0.06	1.52	0.75	19.00	9.00	229.00	5.5	12.0	8.50	215.90	4	-
1 1/2"	7.50	190.50	5.31	135.00	6.13	155.70	4.50	114.30	2.88	73.20	0.81	20.60	0.06	1.52	0.88	22.40	14.25	362.00	9.5	21.0	10.38	263.70	4	-
2"	8.50	215.90	6.25	159.00	6.50	165.10	5.00	127.00	3.63	92.00	0.88	22.40	0.06	1.52	0.75	19.00	16.50	419.00	13.2	29.0	12.25	311.20	8	-
*2 1/2"	11.13	282.70	6.56	167.00	8.25	209.60	5.88	149.40	4.13	104.60	1.13	28.70	0.06	1.52	0.88	22.40	16.50	419.00	21.8	48.0	12.63	320.80	8	-
3"	11.13	282.70	6.56	167.00	8.25	209.60	6.63	168.40	5.00	127.00	1.13	28.70	0.06	1.52	0.88	22.40	16.50	419.00	21.8	48.0	13.63	346.20	8	-
4"	12.00	304.80	7.63	194.00	10.00	254.00	7.88	200.20	6.19	157.20	1.25	31.80	0.06	1.52	0.88	22.40	23.63	600.00	42.0	92.0	16.25	412.80	8	-
4" EG	12.00	304.80	9.10	231.00	10.00	254.00	7.88	200.20	6.19	157.20	1.25	31.80	0.06	1.52	0.88	22.40	7.25	184.00	54.0	119.0	17.63	447.80	8	-
6" EG	15.88	403.40	10.80	274.00	12.50	317.50	10.63	270.00	8.50	215.90	1.44	36.60	0.06	1.52	0.88	22.40	7.25	184.00	91.4	201.0	21.75	552.50	12	-
8" EG	16.50	419.10	12.75	324.00	15.00	381.00	13.00	330.20	10.63	269.80	1.63	41.40	0.06	1.52	1.00	25.40	9.75	248.00	141.4	311.0	26.63	676.40	12	7/8"-9
10" EG	18.00	457.20	14.68	373.00	17.50	444.50	15.25	387.40	12.75	323.90	1.88	47.80	0.06	1.52	1.13	28.70	9.75	248.00	210.9	464.0	31.25	793.80	16	1"-8
12" EG	19.75	501.70	16.40	417.00	20.50	520.70	17.75	450.90	15.00	381.00	2.00	50.80	0.06	1.52	1.25	31.80	13.75	349.25	279.0	614.0	33.75	857.30	16	1 1/8"-8
14" EG	30.00	762.00	17.40	442.00	23.00	584.20	20.25	514.40	16.25	412.80	2.12	53.80	0.06	1.52	1.25	31.80	13.75	349.25	363.0	800.0	34.75	882.70	20	-
16" EG	33.00	838.20	21.29	540.72	25.50	647.70	22.50	571.50	18.50	469.90	2.19	55.63	0.06	1.52	1.38	34.93	9.85	698.50	-	-	46.00	1168.40	20	1 1/4"-8
18" EG	36.00	914.40	21.29	540.84	28.00	711.20	24.75	628.65	21.00	533.40	2.31	58.67	0.06	1.52	1.38	34.93	9.85	698.50	-	-	46.00	1168.40	24	-
20" EG	39.00	990.60	27.43	696.70	30.50	774.70	27.00	685.80	23.00	584.20	2.44	61.98	0.06	1.52	1.38	34.93	9.85	698.50	-	-	57.63	1463.80	24	1 1/4"-8 ¹
24" EG	45.00	1143.0	27.43	696.70	36.00	914.40	32.00	812.80	27.25	692.15	2.69	68.33	0.06	1.52	1.63	41.28	9.85	698.50	-	-	57.63	1463.80	24	1 1/2"-8

PLUG-ANSI-DIN-R002-2009

2-WAY ANSI/ASME CLASS 600 LBS

Flanged Ends

Wrench or Enclosed Gear Operated

Actuators Optional on All Sizes

E = Clearance required for resleeving measured from center line

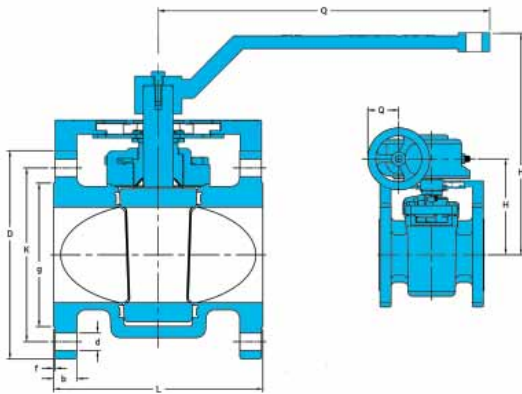
EG = Enclosed gear operated

N = Number of holes

Two (2) top holes in flanges are tapped with UNC threads. See Hole-UNC column

* Available upon request

SIZE	L		H		D		K		g		b		f		d		Q		Weight		E		N	Hole-UNC
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	kg	lbs	in	mm	#	
1/2"	6.50	165.10	3.38	85.70	3.75	95.30	2.62	66.50	1.38	35.10	0.56	14.20	0.25	6.35	0.62	15.70	8.00	203.20	3.6	8.0	6.38	162.10	4	-
3/4"	7.50	190.50	3.38	85.90	4.62	117.30	3.25	82.60	1.69	42.90	0.62	15.70	0.25	6.35	0.75	19.10	9.00	203.20	5.0	11.0	6.38	162.10	4	-
1"	8.50	215.90	4.50	114.30	4.88	124.00	3.50	88.90	2.00	50.80	0.69	17.50	0.25	6.35	0.75	19.10	9.00	228.60	7.3	16.0	8.50	215.90	4	-
1 1/2"	9.50	241.30	5.31	134.90	6.12	155.40	4.50	114.30	2.88	73.20	0.88	22.40	0.25	6.35	0.88	22.40	14.25	362.00	12.3	27.0	10.38	263.70	4	-
2"	11.50	292.10	6.25	158.80	6.50	165.10	5.00	127.00	3.62	91.90	1.00	25.40	0.25	6.35	0.75	19.10	16.50	419.10	18.2	40.0	12.25	311.20	8	-
2 1/2"	13.00	330.20	6.56	166.60	7.50	190.50	5.88	149.40	4.12	104.60	1.12	28.40	0.25	6.35	0.88	22.40	16.50	419.10	38.6	85.0	12.63	320.80	8	-
3"	14.00	355.60	6.56	166.60	8.25	209.60	6.62	168.10	5.00	127.00	1.25	31.80	0.25	6.35	0.88	22.40	16.50	419.10	38.6	85.0	13.63	346.20	8	-
4"	17.00	431.80	7.53	191.10	10.75	273.10	8.50	215.90	6.19	157.20	1.50	38.10	0.25	6.35	1.00	25.40	23.63	600.20	68.2	150.0	16.25	412.80	8	-
4" EG	17.00	431.80	9.10	231.10	10.75	273.10	8.50	215.90	6.19	157.20	1.50	38.10	0.25	6.35	1.00	25.40	7.25	184.20	81.8	180.0	17.63	447.80	8	-
6" EG	22.00	558.80	10.80	274.30	14.00	355.60	11.50	292.10	8.50	215.90	1.88	47.80	0.25	6.35	1.12	28.40	7.25	184.20	152.3	335.0	21.75	552.50	12	-
8" EG	26.00	660.40	12.75	323.90	16.50	419.10	13.75	349.30	10.62	269.70	2.19	55.60	0.25	6.35	1.25	31.80	9.75	247.70	222.7	490.0	26.63	676.40	12	1 1/8"-8
10" EG*	31.00	787.40	14.68	372.90	20.00	508.00	17.00	431.80	12.75	323.90	2.50	63.50	0.25	6.35	1.38	35.10	9.75	247.70	-	-	31.25	793.80	16	1 1/4"-8
12" EG*	33.00	838.20	16.40	416.60	22.00	558.80	19.25	489.00	15.00	381.00	2.62	66.50	0.25	6.35	1.38	35.10	13.75	349.25	-	-	33.75	857.30	20	1 1/4"-8
14" EG*	35.00	889.00	15.66	397.84	23.75	603.25	20.75	527.05	16.25	412.75	2.75	69.85	0.25	6.35	1.50	38.10	13.75	349.25	-	-	34.75	882.70	20	1 3/8"-8
16" EG*	39.00	990.60	21.29	540.72	27.00	685.80	23.75	603.25	18.50	469.90	3.00	76.20	0.25	6.35	1.63	41.28	9.85	250.19	-	-	46.00	1168.40	20	1 1/2"-8
18" EG*	43.00	1092.20	21.29	540.84	29.50	749.30	25.75	654.10	21.00	533.40	3.25	82.60	0.25	6.35	1.75	44.50	9.85	250.19	-	-	46.00	1168.40	20	1 5/8"-8



2-WAY DIN PN 16 & PN 40

Flanged Ends

Wrench or Enclosed Gear Operated

Actuators Optional on All Sizes

Dimensions to DIN EN 1092-1 & DIN EN 558-1

Enclosed gear optional on DN 100, and standard on DN 125 and DN 150

E = Clearance required for resleeving measured from center line

N = Number of holes

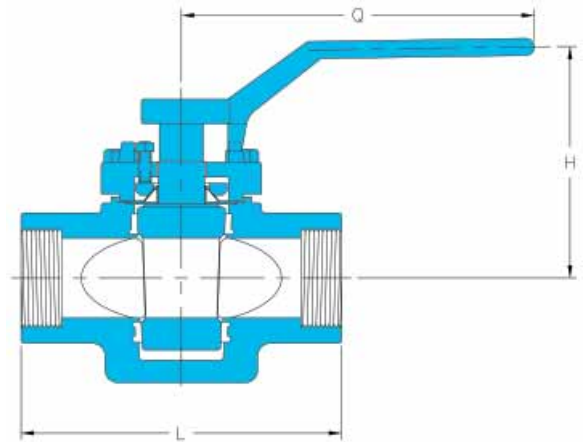
Two (2) top holes in flanges are tapped with metric threads. See Bolt Size column

*According to DIN EN 1092-2 (Cast Iron Flanges) and DIN prEN 1092-3 (Copper Alloy Flanges), the flanges in this DN and PN may be supplied with four (4) holes. Where steel flanges are required with four (4) holes, these may be supplied by agreement between manufacturer and purchaser.

SIZE	PN	L	H	D	K	g	b	f	d	Q	Weight	E	N	Bolt Size
		mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	mm	#	
DN 15	16 & 40	130.00	145.00	95.00	65.00	45.00	16.00	2.00	14.00	210.00	-	131.00	4	M12
DN 20	16 & 40	150.00	145.00	105.00	75.00	58.00	18.00	2.00	14.00	210.00	-	131.00	4	M12
DN 25	16 & 40	160.00	145.00	115.00	85.00	68.00	18.00	2.00	14.00	210.00	-	131.00	4	M12
DN 32	16 & 40	180.00	176.00	140.00	100.00	78.00	18.00	2.00	18.00	262.50	-	161.00	4	M16
DN 40	16 & 40	200.00	176.00	150.00	110.00	88.00	18.00	2.00	18.00	262.50	-	161.00	4	M16
DN 50	16	230.00	195.00	165.00	125.00	102.00	18.00	2.00	18.00	419.10	-	189.00	4	M16
	40	230.00	195.00	165.00	125.00	102.00	20.00	2.00	18.00	419.10	-	189.00	4	M16
DN 65	16	290.00	173.00	185.00	145.00	122.00	18.00	2.00	18.00	419.10	-	217.00	8*	M16
	40	290.00	173.00	185.00	145.00	122.00	22.00	2.00	18.00	419.10	-	217.00	8	M16
DN 80	16	310.00	173.00	200.00	160.00	138.00	20.00	2.00	18.00	419.10	-	217.00	8	M16
	40	310.00	173.00	200.00	160.00	138.00	24.00	2.00	18.00	419.10	-	217.00	8	M16
DN 100	16	350.00	200.00	220.00	180.00	158.00	20.00	2.00	18.00	618.00	-	270.00	8	M16
	40	350.00	200.00	235.00	190.00	162.00	24.00	2.00	22.00	618.00	-	270.00	8	M20
DN 125	16	325.00	303.00	250.00	210.00	188.00	22.00	2.00	18.00	184.20	-	370.00	8	M16
	40	325.00	303.00	270.00	220.00	188.00	26.00	2.00	26.00	184.20	-	370.00	8	M24
DN 150	16	350.00	290.00	285.00	240.00	212.00	22.00	2.00	22.00	184.20	-	370.00	8	M20
	40	350.00	290.00	300.00	250.00	218.00	28.00	2.00	26.00	184.20	-	370.00	8	M24

PLUG-ANSI-DIN-R002-2009

SLEEVED PLUG VALVES — 2-WAY



2-WAY ANSI/ASME CLASS 150/300/600 LBS

Screwed Ends

Wrench Operated

Actuators Optional on All Sizes

Dimensions to ANSI B16.11

E = Clearance required for resleeving measured from center line

SIZE	L		H		Q		Weight		E	
	in	mm	in	mm	in	mm	kg	lbs	in	mm
1/2"	3.93	100.00	3.38	85.90	8.00	203.00	2.0	4.4	6.38	162.10
3/4"	3.93	100.00	3.38	85.50	8.00	203.00	2.0	4.4	6.38	162.10
1"	5.50	140.00	4.50	114.00	9.00	229.00	3.0	6.6	8.50	215.90
1 1/2"	6.30	160.00	5.31	135.00	14.25	362.00	6.0	13.2	10.38	263.70
2"	7.87	200.00	6.25	159.00	16.50	419.00	10.0	22.0	12.25	311.20
2 1/2"	7.87	200.00	6.56	167.00	16.50	419.00	11.0	24.0	12.63	320.80

2-WAY ANSI/ASME CLASS 150/300/600 LBS

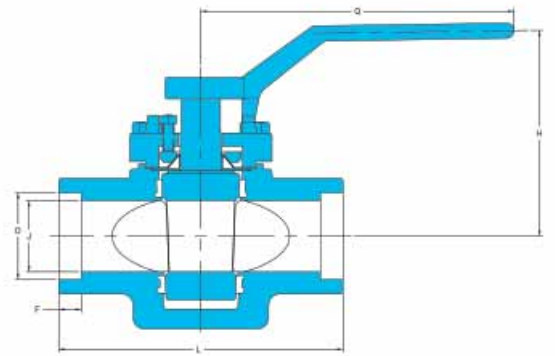
Socket Weld Ends

Wrench Operated

Actuators Optional on All Sizes

Dimensions to ANSI B16.11

E = Clearance required for resleeving measured from center line



SIZE	L		H		D		J		F		Q		Weight		E	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	kg	lbs	in	mm
1/2"	3.93	100.00	3.38	85.90	0.85	21.70	0.55	14.00	0.37	9.50	8.00	203.00	2.0	4.4	6.38	162.10
3/4"	3.93	100.00	3.38	85.50	1.07	27.20	0.75	19.00	0.50	12.70	8.00	203.00	2.0	4.4	6.38	162.10
1"	5.50	140.00	4.50	114.00	1.34	34.00	0.98	25.00	0.50	12.70	9.00	229.00	3.0	6.6	8.50	215.90
1 1/2"	6.30	160.00	5.31	135.00	1.92	48.80	1.50	38.00	0.50	12.70	14.25	362.00	6.0	13.2	10.38	263.70
2"	7.87	200.00	6.25	159.00	2.40	61.00	1.97	50.00	0.66	16.70	16.50	419.00	10.0	22.0	12.25	311.20
2 1/2"	7.87	200.00	6.56	167.00	2.91	73.91	2.41	61.21	7.88	200.15	16.50	419.00	11.0	24.0	12.63	320.80

PLUG-ANSI-DIN-R002-2009



Full Port ANSI/ASME Class 300 Lbs FluoroSeal® Sleeved Plug Valve

FULL PORT PLUG VALVES

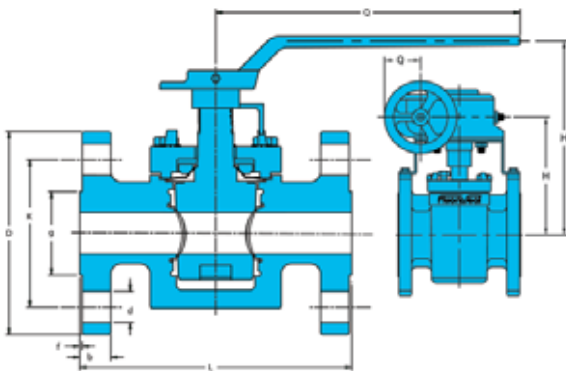
You like the design features of our standard port valves, but are concerned about flow restrictions?

Now, you have the best of two worlds:
FluoroSeal® proven design combined with non-restricted flow.

The new F Series is available in ANSI/ASME Classes 150, 300 and 600 lbs.

Size range from 1" to 10".

Same material offering as our standard valves.



FULL PORT ANSI/ASME CLASS 150 LBS

Flanged Ends
Wrench or Enclosed Gear Operated
Actuators Optional on All Sizes

E = Clearance required for resleeving measured from center line
EG = Enclosed gear operated

N = Number of holes

Two (2) top holes in flanges are tapped with UNC threads. See Hole-UNC column

SIZE	L		H		D		K		g		b		f		d		Q		Weight		E		N	Hole-UNC
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	kg	lbs	in	mm	#	
1/2"	4.25	108.00	3.38	85.90	3.50	88.90	2.38	60.50	1.38	35.10	0.37	9.40	0.06	1.52	0.62	15.70	8.00	203.00	2.3	5.0	6.38	162.10	4	-
3/4"	4.63	117.50	3.38	86.00	3.88	98.50	2.75	69.90	1.68	42.90	0.37	9.50	0.06	1.52	0.62	16.00	8.00	203.00	-	-	6.38	162.10	4	-
1"	6.50	165.10	5.06	128.6	4.88	124.00	3.12	79.20	2.00	50.80	0.69	17.50	0.06	1.52	0.62	15.70	14.25	362.00	-	-	5.75	146.10	4	-
1 1/2"	7.50	190.50	5.81	147.50	6.12	155.40	3.88	98.60	2.88	73.20	0.81	20.60	0.06	1.52	0.62	15.70	16.50	419.00	-	-	6.88	174.80	4	-
2"	8.50	215.90	9.25	235.00	6.50	165.10	4.75	120.7	3.62	91.90	0.88	22.40	0.06	1.52	0.75	19.10	23.63	600.00	-	-	7.20	182.90	4	5/8"-11
3" EG	11.13	282.70	9.25	235.00	8.25	209.60	6.00	152.40	5.00	127.00	1.12	28.40	0.06	1.52	0.75	19.10	23.63	600.00	-	-	7.75	196.90	4	5/8"-11
4" EG	12.00	304.80	11.00	279.40	10.00	254.00	7.50	190.50	6.19	157.20	1.25	31.80	0.06	1.52	0.75	19.10	9.75	248.00	-	-	10.48	266.20	4	5/8"-11
6" EG	22.00	558.80	-	-	12.50	317.50	9.50	241.30	8.50	215.90	1.44	36.60	0.06	1.52	0.88	22.40	-	-	-	-	13.25	336.60	8	-
8" EG	27.00	685.80	17.81	452.50	15.00	381.00	11.75	298.50	10.62	269.70	1.62	41.10	0.06	1.52	0.88	22.40	13.75	349.00	-	-	17.13	435.10	4	3/4"-10
10" EG	32.50	825.50	14.91	378.74	17.52	445.01	14.25	361.95	12.75	323.85	1.81	45.97	0.06	1.52	1.00	25.40	13.75	349.00	-	-	21.13	536.70	12	-

PLUG-ANSI-DIN-R002-2009

SLEEVED PLUG VALVES — 2-WAY

FULL PORT ANSI/ASME CLASS 300 LBS

Flanged Ends

Wrench or Enclosed Gear Operated

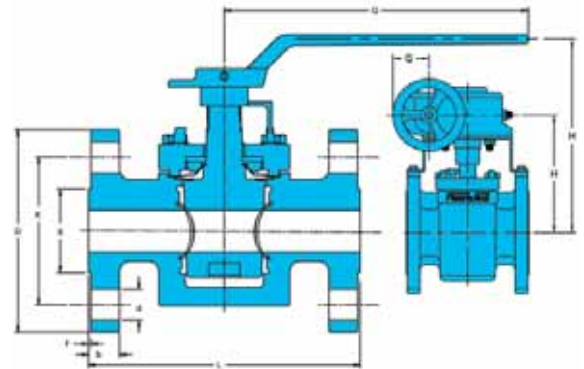
Actuators Optional on All Sizes

E = Clearance required for resleeving measured from center line

EG = Enclosed gear operated

N = Number of holes

Two (2) top holes in flanges are tapped with UNC threads. See Hole-UNC column



SIZE	L		H		D		K		g		b		f		d		Q		Weight		E		N	Hole-UNC
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	kg	lbs	in	mm		
1/2"	5.50	139.70	3.38	85.90	3.75	95.30	2.62	66.50	1.38	35.10	0.56	14.20	0.06	1.52	0.62	15.70	8.00	203.00	3.2	7.0	6.38	162.10	4	-
3/4"	6.00	152.40	-	-	3.75	95.30	3.25	82.60	1.69	42.90	0.62	15.70	0.06	1.52	0.75	19.10	-	-	-	-	-	-	4	-
1"	6.50	165.10	5.06	128.6	4.88	124.00	3.50	88.90	2.00	50.80	0.69	17.50	0.06	1.52	0.75	19.10	14.25	362.00	-	-	5.75	146.10	4	-
1 1/2"	7.50	190.50	5.81	147.50	6.12	155.40	4.50	114.30	2.88	73.20	0.81	20.60	0.06	1.52	0.88	22.40	16.50	419.00	-	-	6.88	174.80	4	-
2"	8.50	215.90	9.25	235.00	6.50	165.10	5.00	127.00	3.62	91.90	0.88	22.40	0.06	1.52	0.75	19.10	23.63	600.00	-	-	7.20	182.90	8	-
3" EG	11.13	282.70	9.25	235.00	8.25	209.60	6.62	168.10	5.00	127.00	1.12	28.40	0.06	1.52	0.88	22.40	23.63	600.00	-	-	7.75	196.90	8	-
4" EG	12.00	304.80	11.00	279.40	10.00	254.00	7.88	200.20	6.19	157.20	1.25	31.80	0.06	1.52	0.88	22.40	9.75	248.00	-	-	10.48	266.20	8	-
6" EG	22.00	558.80	-	-	12.50	317.50	10.62	269.70	8.50	215.90	1.44	36.60	0.06	1.52	0.88	22.40	-	-	-	-	13.25	336.60	12	-
8" EG	27.00	685.80	17.81	452.50	15.00	381.00	13.00	330.20	10.62	269.70	1.62	41.10	0.06	1.52	1.00	25.40	13.75	349.00	-	-	17.13	435.10	4	7/8"-9
10" EG	32.50	825.50	14.91	378.74	17.50	444.50	15.25	387.35	12.75	323.85	1.81	45.97	0.06	1.52	1.13	28.58	13.75	349.00	-	-	21.13	536.70	16	-

FULL PORT ANSI/ASME CLASS 600 LBS

Flanged Ends

Wrench or Enclosed Gear Operated

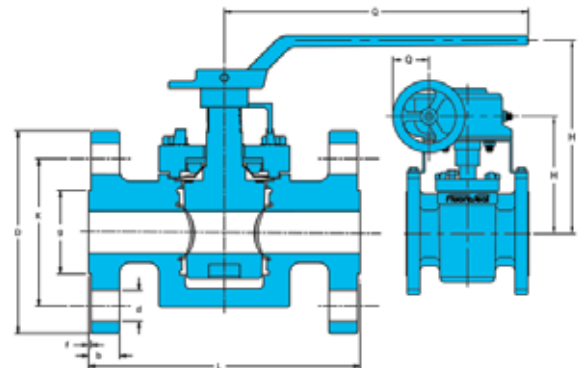
Actuators Optional on All Sizes

E = Clearance required for resleeving measured from center line

EG = Enclosed gear operated

N = Number of holes

Two (2) top holes in flanges are tapped with UNC threads. See Hole-UNC column



SIZE	L		H		D		K		g		b		f		d		Q		Weight		E		N	Hole-UNC
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	kg	lbs	in	mm		
1/2"	5.50	139.70	3.38	85.90	3.75	95.30	2.62	66.50	1.38	35.10	0.56	14.20	0.06	1.52	0.62	15.70	8.00	203.00	-	-	6.38	162.10	4	-
3/4"	6.00	152.40	-	-	3.75	95.30	3.25	82.60	1.69	42.90	0.62	15.70	0.06	1.52	0.75	19.10	-	-	-	-	-	-	4	-
1"	6.50	165.10	5.06	128.6	4.88	124.00	3.50	88.90	2.00	50.80	0.69	17.50	0.06	1.52	0.75	19.10	14.25	362.00	-	-	5.75	146.10	4	-
1 1/2"	7.50	190.50	5.81	147.50	6.12	155.40	4.50	114.30	2.88	73.20	0.81	20.60	0.06	1.52	0.88	22.40	16.50	419.00	-	-	6.88	174.80	4	-
2"	8.50	215.90	9.25	235.00	6.50	165.10	5.00	127.00	3.62	91.90	0.88	22.40	0.06	1.52	0.75	19.10	23.63	600.00	-	-	7.20	182.90	8	-
3" EG	11.13	282.70	9.25	235.00	8.25	209.60	6.62	168.10	5.00	127.00	1.12	28.40	0.06	1.52	0.88	22.40	23.63	600.00	-	-	7.75	196.90	8	-
4" EG	12.00	304.80	11.00	279.40	10.00	254.00	8.50	215.90	6.19	157.20	1.25	31.80	0.06	1.52	1.00	25.40	9.75	248.00	-	-	10.48	266.20	8	-
6" EG	22.00	558.80	-	-	12.50	317.50	11.50	292.10	8.50	215.90	1.44	36.60	0.06	1.52	1.12	28.40	-	-	-	-	13.25	336.60	12	-
8" EG	27.00	685.80	17.81	452.50	15.00	381.00	13.75	349.30	10.62	269.70	1.62	41.10	0.06	1.52	1.25	31.80	13.75	349.00	-	-	17.13	435.10	12	-
10" EG	31.00	787.40	14.91	378.74	20.00	508.00	17.00	431.80	12.75	323.85	2.50	63.50	0.25	6.35	1.38	35.10	9.85	250.19	-	-	21.13	536.70	16	-