Double Block and Bleed (3/4” – 24”) - Technical Specifications

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3/4” – 1 1/4” Plugs

Notes:
1 - Standard Seal Material = Urethane
*Alternate Seal materials are available upon request
2 - Maximum Pressure between seals = 2250 PsiG / 155 BarG
3 - Maximum Upstream Pressure = 10 PsiG / 0.7 BarG
4 - If Shaft Hex Wrench size is not specified, shaft is designed to accommodate a pipe wrench
5 - Pressure Gauge and Tee not included

1 1/2” – 3” Plugs

Notes:
1 - Standard Seal Material = Urethane
*Alternate Seal materials are available upon request
2 - Maximum Pressure between seals = 2250 PsiG / 155 BarG
3 - Maximum Upstream Pressure = 10 PsiG / 0.7 BarG
4 - If Shaft Hex Wrench size is not specified, shaft is designed to accommodate a pipe wrench
5 - Pressure Gauge not included

4” – 12” Plugs

Notes:
1 - Standard Seal Material = Urethane
*Alternate Seal materials are available upon request
2 - Maximum Pressure between seals = 2250 PsiG/ 155 BarG
3 - Maximum Upstream Pressure = 10 PsiG / 0.7 BarG
4 - Pressure Gauge, 50ft (15m) hose, and T-fitting not included

14” – 24” Plugs

Notes:
1 - Standard Seal Material = Urethane
*Alternate Seal materials are available upon request
2 - Maximum Pressure between seals = 2250 PsiG / 155 BarG
3 - Maximum Upstream Pressure = 10 PsiG / 0.7 BarG
4 - Pressure Gauge, Hose, and T-fitting not included

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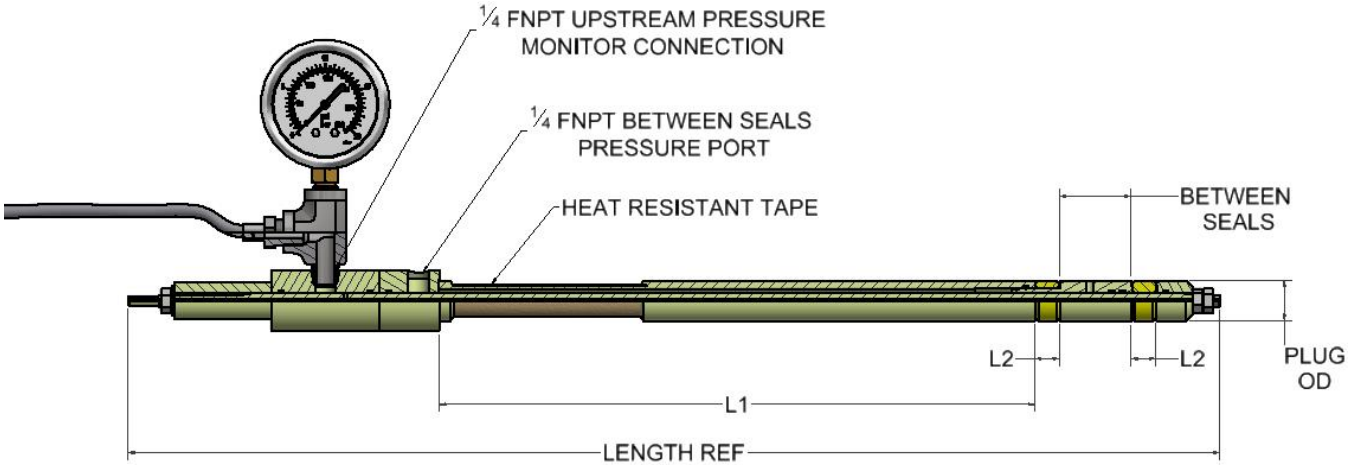
Double Block and Bleed (3/4” – 1 1/4”) - Technical Specifications



Pipe Size	Pipe Schedule	Part Number	Plug OD		Seal to Pipe Clearance		Shaft OD		Shaft ID		Shaft Hex Wrench Size (4)	Hex Nut Wrench Size	Length		Distance Between Seals		L1		L2 - Seal Thickness		Approx. Shipping Weight	
			(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(in)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(lb)	(kg)
3/4"	160	75P160 / DBB-1PXXS	0.54	13.7	0.07	1.8	1/4	6.4	0.12	3.0	N/A	7/16	21 1/4	539.8	1 1/4	31.8	12	304.8	1/4	6.4	2	0.9
	80	DBB-75P80	0.65	16.5	0.09	2.3	5/16	8.0	0.07	1.9	N/A	7/16	22 5/8	574.7	1 1/2	38.1	12 3/8	314.3	1/2	12.7	3	1.4
	40	DBB-1P160 / 75P40	0.72	18.3	0.10	2.5	5/16	8.0	0.07	1.9	N/A	7/16	22 5/8	574.7	1 1/2	38.1	12 3/8	314.3	1/2	12.7	3	1.4
	10	DBB-75P10	0.78	19.8	0.10	2.5	5/16	8.0	0.07	1.9	N/A	7/16	22 5/8	574.7	1 1/2	38.1	12 3/8	314.3	1/2	12.7	3	1.4
1"	XXS	DBB-1PXXS / 75P160	0.54	13.7	0.06	1.5	1/4	6.4	0.12	3.0	N/A	7/16	21 1/4	539.8	1 1/4	31.8	12	304.8	1/4	6.4	2	0.9
	160	DBB-1P160 / 75P40	0.72	18.3	0.10	2.5	5/16	8.0	0.07	1.9	N/A	7/16	22 5/8	574.7	1 1/2	38.1	12 3/8	314.3	1/2	12.7	3	1.4
	80	DBB-1P80	0.84	21.3	0.12	3.0	5/16	8.0	0.07	1.9	N/A	7/16	22 5/8	574.7	1 1/2	38.1	12 3/8	314.3	1/2	12.7	4	1.8
	40	DBB-1P40	0.93	23.6	0.12	3.0	5/16	8.0	0.07	1.9	N/A	7/16	22 5/8	574.7	1 1/2	38.1	12 3/8	314.3	1/2	12.7	4	1.8
	10	DBB-1P10	0.98	24.9	0.12	3.0	5/16	8.0	0.07	1.9	N/A	7/16	22 5/8	574.7	1 1/2	38.1	12 3/8	314.3	1/2	12.7	4	1.8
1-1/4"	160	DBB-125P160	1.01	25.7	0.15	3.8	3/8	9.5	0.11	2.7	N/A	1/2	23 7/8	606.4	1 1/2	38.1	12 1/2	317.5	1	25.4	6	2.7
	80	DBB-125P80	1.13	28.7	0.15	3.8	3/8	9.5	0.11	2.7	N/A	1/2	23 7/8	606.4	1 1/2	38.1	12 1/2	317.5	1	25.4	7	3.2
	40	DBB-125P40	1.23	31.2	0.15	3.8	3/8	9.5	0.11	2.7	N/A	1/2	23 7/8	606.4	1 1/2	38.1	12 1/2	317.5	1	25.4	7	3.2
	10	DBB-125P10	1.29	32.8	0.15	3.8	3/8	9.5	0.11	2.7	N/A	1/2	23 7/8	606.4	1 1/2	38.1	12 1/2	317.5	1	25.4	7	3.2

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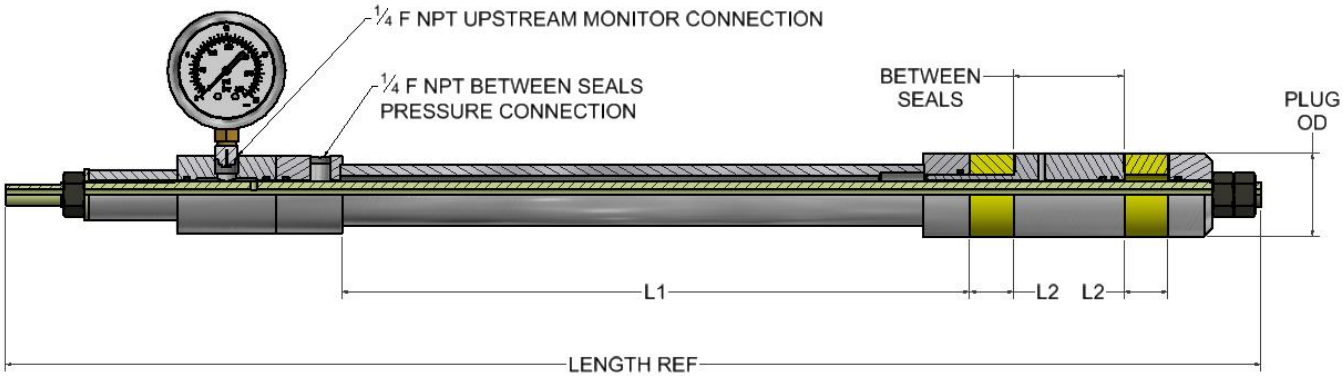
Double Block and Bleed (1 1/2” - 3”) - Technical Specifications



Pipe Size	Pipe Schedule	Part Number	Plug OD		Seal to Pipe Clearance		Shaft OD		Shaft ID		Shaft Hex Wrench Size (4)	Hex Nut Wrench Size	Length		Distance Between Seals		L1		L2 - Seal Thickness		Approx. Shipping Weight	
			(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(in)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(lb)	(kg)
1-1/2"	160	DBB-15P160	1.19	30.2	0.15	3.8	1/2	12.7	1/8	3.2	N/A	3/4	26 3/4	679.5	2 1/2	63.5	13	330.2	1	25.4	4	1.8
	80	DBB-2PXXS / 15P80	1.35	34.3	0.15	3.8	1/2	12.7	1/8	3.2	N/A	3/4	26 3/4	679.5	2 1/2	63.5	13	330.2	1	25.4	4	1.8
	40	DBB-15P40	1.46	37.1	0.15	3.8	1/2	12.7	1/8	3.2	N/A	3/4	26 3/4	679.5	2 1/2	63.5	13	330.2	1	25.4	4	1.8
	10	DBB-2P160 / 15P10	1.53	38.9	0.15	3.8	1/2	12.7	1/8	3.2	N/A	3/4	26 3/4	679.5	2 1/2	63.5	13	330.2	1	25.4	4	1.8
2"	XXS	DBB-2PXXS / 15P80	1.35	34.3	0.15	3.8	1/2	12.7	1/8	3.2	N/A	3/4	26 3/4	679.5	2 1/2	63.5	13	330.2	1	25.4	4	1.8
	160	DBB-2P160 / 15P10	1.53	38.9	0.16	4.1	1/2	12.7	1/8	3.2	N/A	3/4	26 3/4	679.5	2 1/2	63.5	13	330.2	1	25.4	4	1.8
	80	DBB-2P80	1.76	44.7	0.18	4.6	5/8	15.9	1/4	6.4	N/A	7/8	28 1/2	723.9	2 1/2	63.5	14 3/16	360.4	1	25.4	5	2.3
	40	DBB-2P40	1.89	48.0	0.18	4.6	5/8	15.9	1/4	6.4	N/A	7/8	28 1/2	723.9	2 1/2	63.5	14 3/16	360.4	1	25.4	5	2.3
	10	DBB-2P10	1.98	50.3	0.18	4.6	5/8	15.9	1/4	6.4	N/A	7/8	28 1/2	723.9	2 1/2	63.5	14 3/16	360.4	1	25.4	6	2.7
2-1/2"	160	DBB-25P160	1.95	49.5	0.18	4.6	5/8	15.9	1/4	6.4	N/A	7/8	28 1/2	723.9	2 1/2	63.5	14 3/16	360.4	1	25.4	6	2.7
	80	DBB-3PXXS / 25P80	2.13	54.1	0.19	4.8	7/8	22.2	3/8	9.5	N/A	1 1/4	29 1/4	743.0	2 1/2	63.5	14 3/16	360.4	1	25.4	8	3.6
	40	DBB-25P40	2.29	58.2	0.18	4.6	7/8	22.2	3/8	9.5	N/A	1 1/4	29 1/4	743.0	2 1/2	63.5	14 3/16	360.4	1	25.4	9	4.1
	10	DBB-3P160 / 25P10	2.46	62.5	0.18	4.6	1 1/4	31.8	1/2	12.7	13/16	1 13/16	34 1/4	870.0	2 1/2	63.5	17	431.8	1	25.4	17	7.7
3"	XXS	DBB-3PXXS / 25P80	2.13	54.1	0.17	4.3	7/8	22.2	3/8	9.5	N/A	1 1/4	29 1/4	743.0	2 1/2	63.5	14 3/16	360.4	1	25.4	8	3.6
	160	DBB-3P160 / 25P10	2.46	62.5	0.17	4.3	1 1/4	31.8	1/2	12.7	13/16	1 13/16	34 1/4	870.0	2 1/2	63.5	17	431.8	1	25.4	17	7.7
	80	DBB-3P80	2.69	68.3	0.21	5.3	1 1/4	31.8	1/2	12.7	13/16	1 13/16	34 1/4	870.0	2 1/2	63.5	17	431.8	1	25.4	18	8.2
	40	DBB-3P40	2.86	72.6	0.21	5.3	1 1/4	31.8	1/2	12.7	13/16	1 13/16	34 1/4	870.0	2 1/2	63.5	17	431.8	1	25.4	18	8.2
	10	DBB-3P10	3.04	77.2	0.21	5.3	1 1/4	31.8	1/2	12.7	13/16	1 13/16	34 1/4	870.0	2 1/2	63.5	17	431.8	1	25.4	19	8.6

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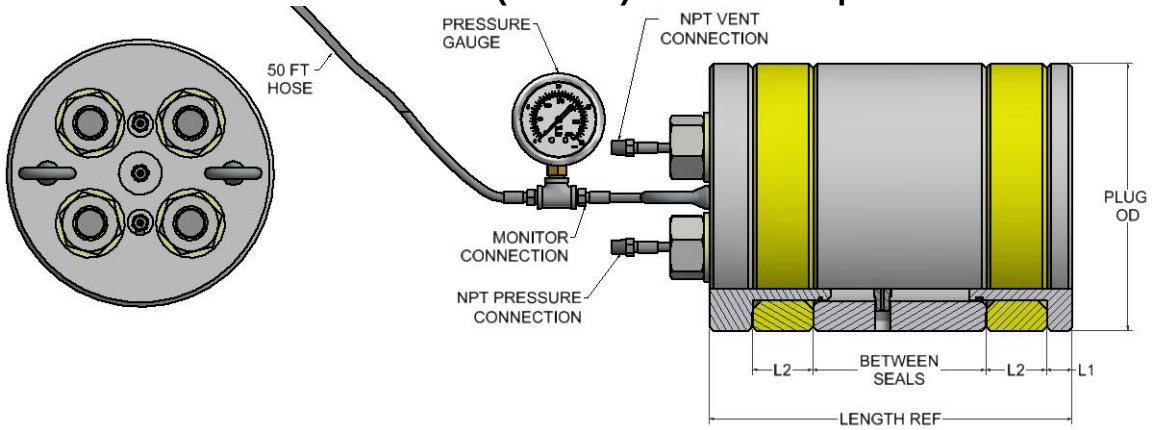
Double Block and Bleed (4” - 12”) - Technical Specifications



Pipe Size	Pipe Schedule	Part Number	Plug OD		Seal to Pipe Clearance		Shaft OD		Pressure Connection	Monitor Connection	Hex Nut Wrench Size	Length		Distance Between Seals		L1		L2 - Seal Thickness		Approx. Shipping Weight	
			(in)	(mm)	(in)	(mm)	(in)	(mm)	Npt	Npt	(in)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(lb)	(kg)
4"	XXS	DBB-4PXXS	3.00	76.2	0.15	3.8	3/8	9.5	1/8" M	1/8" M	11/16	6 1/2	165.1	3.50	88.9	1/2	12.7	1	25.4	4	1.8
	160	DBB-4P160	3.29	83.6	0.15	3.8	3/8	9.5	1/8" M	1/8" M	11/16	6 1/2	165.1	3.50	88.9	1/2	12.7	1	25.4	5	2.3
	120	DBB-4P120	3.48	88.4	0.15	3.8	3/8	9.5	1/8" M	1/8" M	11/16	6 1/2	165.1	3.50	88.9	1/2	12.7	1	25.4	5	2.3
	80	DBB-4P80	3.63	92.2	0.20	5.1	3/8	9.5	1/8" M	1/8" M	11/16	6 1/2	165.1	3.50	88.9	1/2	12.7	1	25.4	5	2.3
	40	DBB-4P40	3.83	97.3	0.20	5.1	3/8	9.5	1/8" M	1/8" M	11/16	6 1/2	165.1	3.50	88.9	1/2	12.7	1	25.4	6	2.7
	10	DBB-4P10	4.06	103.1	0.20	5.1	3/8	9.5	1/8" M	1/8" M	11/16	6 1/2	165.1	3.50	88.9	1/2	12.7	1	25.4	7	3.2
6"	160	DBB-6P160	4.99	126.7	0.20	5.1	5/8	15.9	1/4" M	1/4" M	1 1/16	9	228.6	4.00	101.6	3/4	19.1	1 3/4	44.5	16	7.3
	120	DBB-6P120	5.30	134.6	0.20	5.1	5/8	15.9	1/4" M	1/4" M	1 1/16	9	228.6	4.00	101.6	3/4	19.1	1 3/4	44.5	18	8.2
	80	DBB-6P80	5.56	141.2	0.20	5.1	5/8	15.9	1/4" M	1/4" M	1 1/16	9	228.6	4.00	101.6	3/4	19.1	1 3/4	44.5	19	8.6
	40	DBB-6P40	5.87	149.1	0.20	5.1	5/8	15.9	1/4" M	1/4" M	1 1/16	9	228.6	4.00	101.6	3/4	19.1	1 3/4	44.5	21	9.5
	10	DBB-6P10	6.16	156.5	0.20	5.1	5/8	15.9	1/4" M	1/4" M	1 1/16	9	228.6	4.00	101.6	3/4	19.1	1 3/4	44.5	23	10.4
8"	160	DBB-8P160	6.56	166.6	0.25	6.4	7/8	22.2	1/4" M	1/4" M	1 7/16	9 1/2	241.3	4.00	101.6	3/4	19.1	1 3/4	44.5	29	13.2
	XXS	DBB-8PXXS	6.63	168.4	0.25	6.4	7/8	22.2	1/4" M	1/4" M	1 7/16	9 1/2	241.3	4.00	101.6	3/4	19.1	1 3/4	44.5	30	13.6
	140	DBB-8P140	6.75	171.5	0.25	6.4	7/8	22.2	1/4" M	1/4" M	1 7/16	9 1/2	241.3	4.00	101.6	3/4	19.1	1 3/4	44.5	31	14.1
	120	DBB-8P120	6.94	176.3	0.25	6.4	7/8	22.2	1/4" M	1/4" M	1 7/16	9 1/2	241.3	4.00	101.6	3/4	19.1	1 3/4	44.5	32	14.5
	100	DBB-8P100	7.19	182.6	0.25	6.4	7/8	22.2	1/4" M	1/4" M	1 7/16	9 1/2	241.3	4.00	101.6	3/4	19.1	1 3/4	44.5	34	15.4
	80	DBB-8P80	7.38	187.5	0.25	6.4	7/8	22.2	1/4" M	1/4" M	1 7/16	9 1/2	241.3	4.00	101.6	3/4	19.1	1 3/4	44.5	36	16.3
	60	DBB-8P60	7.56	192.0	0.25	6.4	1	25.4	1/4" M	1/4" M	1 5/8	9 1/2	241.3	4.00	101.6	3/4	19.1	1 3/4	44.5	39	17.7
	40/STD	DBB-8P40	7.73	196.3	0.25	6.4	1	25.4	1/4" M	1/4" M	1 5/8	9 1/2	241.3	4.00	101.6	3/4	19.1	1 3/4	44.5	40	18.1
	20	DBB-8P20	7.88	200.2	0.25	6.4	1	25.4	1/4" M	1/4" M	1 5/8	9 1/2	241.3	4.00	101.6	3/4	19.1	1 3/4	44.5	41	18.6
	10	DBB-8P10	8.08	205.2	0.25	6.4	1	25.4	1/4" M	1/4" M	1 5/8	9 1/2	241.3	4.00	101.6	3/4	19.1	1 3/4	44.5	43	19.5
10"	100	DBB-10P100	9.06	230.1	0.25	6.4	1	25.4	1/4" M	1" M	1 5/8	9 1/2	241.3	4.00	101.6	3/4	19.1	1 3/4	44.5	52	23.6
	80	DBB-10P80	9.31	236.5	0.25	6.4	1	25.4	1/4" M	1" M	1 5/8	9 1/2	241.3	4.00	101.6	3/4	19.1	1 3/4	44.5	54	24.5
	60/XS	DBB-10PXS	9.50	241.3	0.25	6.4	1	25.4	1/4" M	1" M	1 5/8	9 1/2	241.3	4.00	101.6	3/4	19.1	1 3/4	44.5	56	25.4
	40/STD	DBB-10P40	9.77	248.2	0.25	6.4	1	25.4	1/4" M	1" M	1 5/8	9 1/2	241.3	4.00	101.6	3/4	19.1	1 3/4	44.5	58	26.3
	10	DBB-10P10	10.17	258.3	0.25	6.4	1	25.4	1/4" M	1" M	1 5/8	9 1/2	241.3	4.00	101.6	3/4	19.1	1 3/4	44.5	62	28.1
12"	80	DBB-12P80	11.00	279.4	0.38	9.7	1	25.4	1/4" M	1" M	1 5/8	9 1/2	241.3	4.00	101.6	3/4	19.1	1 3/4	44.5	75	34.0
	40/STD	DBB-12P40	11.62	295.1	0.38 / 0.32	9.7 / 8.1	1	25.4	1/4" M	1" M	1 5/8	9 1/2	241.3	4.00	101.6	3/4	19.1	1 3/4	44.5	83	37.6

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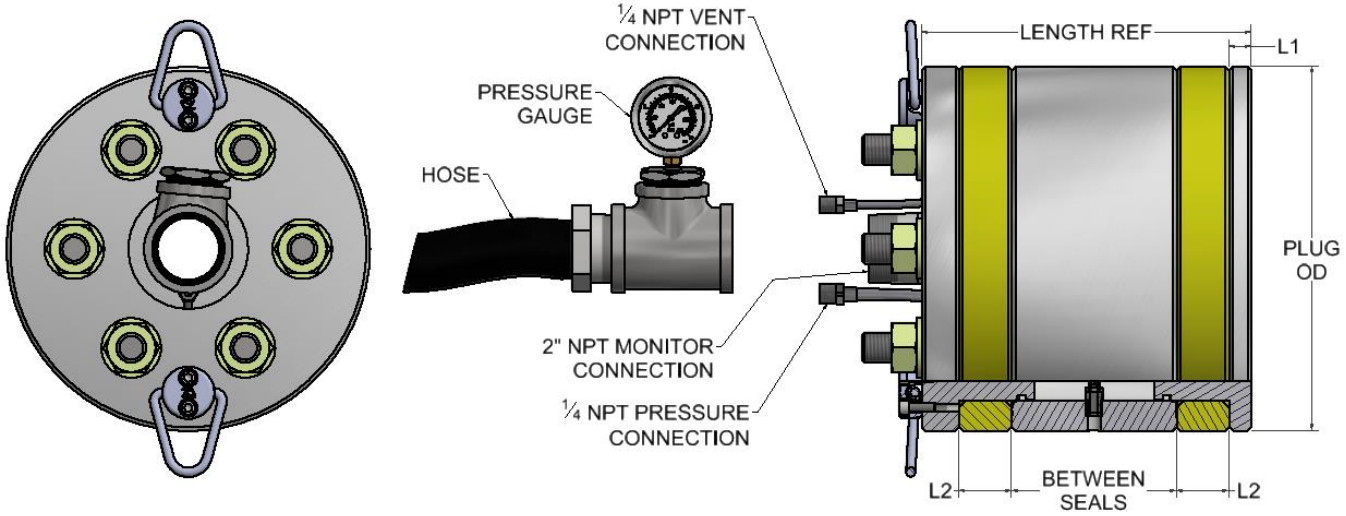
Double Block and Bleed (14” - 24”) - Technical Specifications



Pipe Size	Pipe Schedule	Part Number	Plug OD		Seal to Pipe Clearance		Shaft OD		Pressure Connection	Monitor Connection	Hex Nut Wrench Size	Length		Distance Between Seals		L1		L2 - Seal Thickness		Approx. Shipping Weight	
			(in)	(mm)	(in)	(mm)	(in)	(mm)	Npt	Npt	(in)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(lb)	(kg)
14"	80	DBB-14P80	12.12	307.8	0.38	9.7	1	25.4	1/4" M	2" M	1 5/8	11	279.4	5 1/2	139.7	3/4	19.1	1 3/4	44.5	94	42.6
	40	DBB-14P40	12.74	323.6	0.38	9.7	1	25.4	1/4" M	2" M	1 5/8	11	279.4	5 1/2	139.7	3/4	19.1	1 3/4	44.5	98	44.5
	30/STD	DBB-14PSTD	12.87	326.9	0.38	9.7	1	25.4	1/4" M	2" M	1 5/8	11	279.4	5 1/2	139.7	3/4	19.1	1 3/4	44.5	103	46.7
16"	80	DBB-16P80	13.93	353.8	0.38	9.7	1	25.4	1/4" M	2" M	1 5/8	11	279.4	5 1/2	139.7	3/4	19.1	1 3/4	44.5	120	54.4
	40/XS	DBB-16P40	14.62	371.3	0.38	9.7	1	25.4	1/4" M	2" M	1 5/8	11	279.4	5 1/2	139.7	3/4	19.1	1 3/4	44.5	126	57.2
	30/STD	DBB-16PSTD	14.87	377.7	0.38	9.7	1	25.4	1/4" M	2" M	1 5/8	11	279.4	5 1/2	139.7	3/4	19.1	1 3/4	44.5	135	61.2
18"	80	DBB-18P80	15.74	399.8	0.38	9.7	1	25.4	1/4" M	2" M	1 5/8	11	279.4	5 1/2	139.7	3/4	19.1	1 3/4	44.5	149	67.6
	40	DBB-18P40	16.50	419.1	0.38	9.7	1	25.4	1/4" M	2" M	1 5/8	11	279.4	5 1/2	139.7	3/4	19.1	1 3/4	44.5	156	70.8
	STD	DBB-18PSTD	16.87	428.5	0.38	9.7	1	25.4	1/4" M	2" M	1 5/8	11	279.4	5 1/2	139.7	3/4	19.1	1 3/4	44.5	169	76.7
20"	80	DBB-20P80	17.56	446.0	0.38	9.7	1	25.4	1/4" M	2" M	1 5/8	11 1/2	292.1	5 1/2	139.7	1	25.4	1 3/4	44.5	196	88.9
	40	DBB-20P40	18.43	468.1	0.38	9.7	1	25.4	1/4" M	2" M	1 5/8	11 1/2	292.1	5 1/2	139.7	1	25.4	1 3/4	44.5	209	94.8
	20/STD	DBB-20PSTD	18.87	479.3	0.38	9.7	1	25.4	1/4" M	2" M	1 5/8	11 1/2	292.1	5 1/2	139.7	1	25.4	1 3/4	44.5	220	99.8
22"	80	DBB-22P80	19.37	492.0	0.38	9.7	1	25.4	1/4" M	2" M	1 5/8	11 1/2	292.1	5 1/2	139.7	1	25.4	1 3/4	44.5	225	102.1
24"	80	DBB-24P80	21.18	538.0	0.38	9.7	1	25.4	1/4" M	2" M	1 5/8	11 1/2	292.1	5 1/2	139.7	1	25.4	1 3/4	44.5	272	123.4
	40	DBB-24P40	22.24	564.9	0.38	9.7	1	25.4	1/4" M	2" M	1 5/8	11 1/2	292.1	5 1/2	139.7	1	25.4	1 3/4	44.5	287	130.2
	20/STD	DBB-24PSTD	22.87	580.9	0.38	9.7	1	25.4	1/4" M	2" M	1 5/8	11 1/2	292.1	5 1/2	139.7	1	25.4	1 3/4	44.5	308	139.7

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