

PLUG VALVE



ANSI PLUG VALVES



Chief Features

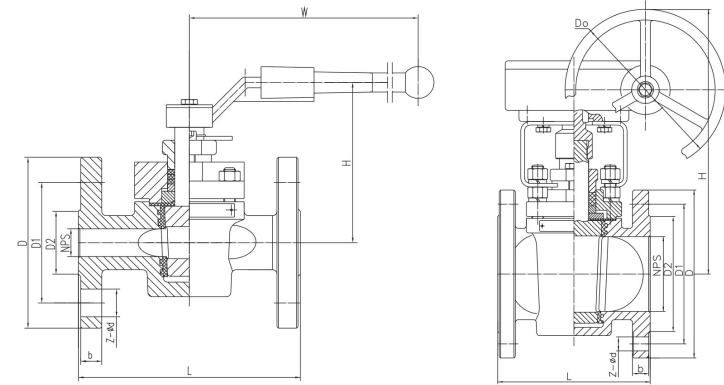
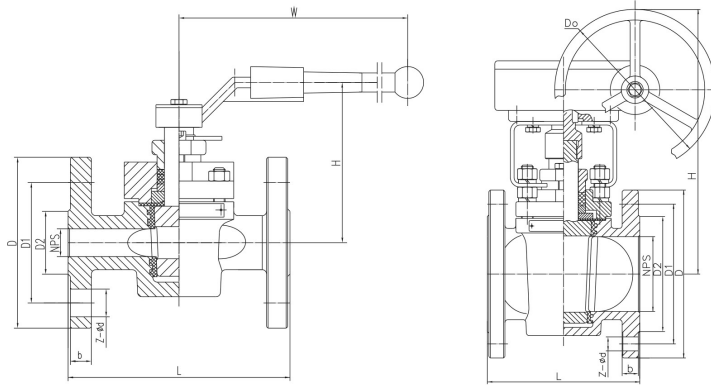
- THROUGH TYPE, INTEGER BODY
- PTFE SLEEVED REPLACING SEAT
- HIGH CV VALUE, FLOW CAPACITY STRONG
- NO CAVITY CHANNEL, FLOW RESISTANCE SMALL
- STRUCTURE IMPROVE ON API
- DOUBLE SEAL, ADJUSTING REDUNDANCY STRUCTURE
- ONE PIECE PROOF OUT PLUG
- ANTI STATIC AND FIRE DURABLE STRUCTURE
- FLANGED ENDS

Product Specification

Design Spec.	Face to Face	Flange End	Test & Check	Marking	Supply
API 599	ASME B16.10	ASME B.16.5	API 598	MSS SP-25	API 599
DIN3352/BS 5353	DIN 3202	DIN 2501	DIN 3230	DIN 3211	DIN 3352

Main Part Material

Part Material						Part Name
A216-WCB	A352-LCB	A351-CF8	A351-CF8M	A351-CF3	A351-CF3M	Body
A351-CF8		A351-CF8	A351-CF8M	A351-CF3	A351-CF3M	Plug
PTFE,R.PTFE		PTFE,R.PTFE		PTFE,R.PTFE		Seat
Flexible Graphite/FPM						Seal Ring
A193-B7		A193-B8M		A193-B8M		Bolt
-29~200℃	-46~200℃	-40~200℃		-40~200℃		Suitable Temp.
Water,Oil,Gas	Propane Ethene	Nitric Acid		Acetic Acid		Suitable Medium



Main External and Connection Dimension

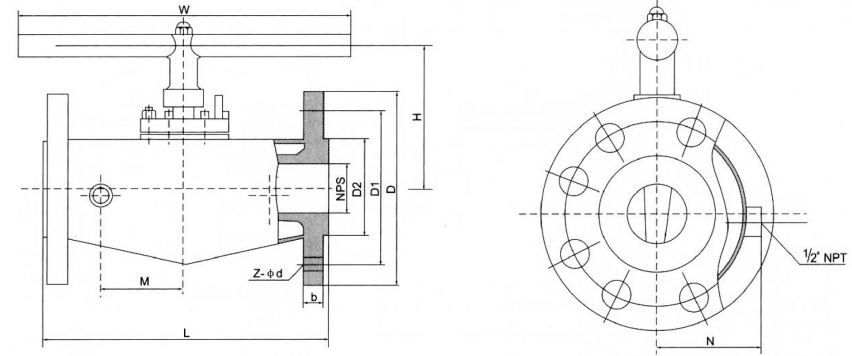
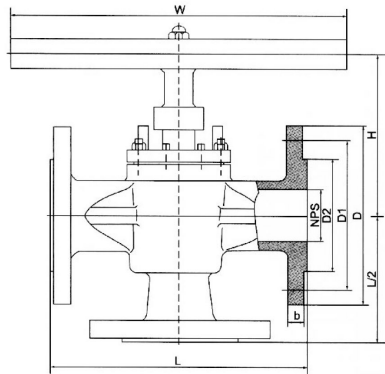
Unit: mm

Order No.	Type	NPS	DN	Class 150Lb/Class 300Lb									WT (kg)
		in	mm	L	D	D ₁	D ₂	b	Z-φ d	H	W	D ₀	
LX-177A LX-177B LX-177C LX-177D LX-177E LX-177F	X43F-150Lb X343F-150Lb	1/2"	15	108	89	35	60.5	9	4-φ 15	110	175	-	6.5
		3/4"	20	117	98	43	70	9	4-φ 15	115	175	-	7.0
		1"	25	127	108	51	79.5	10	4-φ 15	115	175	-	8.0
		1 1/4"	32	140	117	64	89	11	4-φ 15	135	220	-	11
	X43F-150LbP X343F-150LbP	1 1/2"	40	165	127	73	98.5	13	4-φ 15	140	280	-	15
		2"	50	178	152	92	120.5	14	4-φ 19	150	305	-	18
		2 1/2"	65	190	178	105	139.5	16	4-φ 19	165	350	-	26
	X43F-150LbR X343F-150LbR	3"	80	203	190	127	152.5	17	4-φ 19	180	405	-	36
		4"	100	229	229	157	190.5	22	4-φ 19	380	-	300	44
		6"	150	267	279	216	241.5	24	8-φ 22	520	-	320	60
		8"	200	292	343	270	298.5	27	8-φ 22	580	-	320	81
		10"	250	330	406	324	362	29	12-φ 25	620	-	350	147
		12"	300	356	483	381	432	30	12-φ 25	680	-	380	217
LX-177G LX-177H LX-177I LX-177J LX-177K LX-177L	X43F-300Lb X343F-300Lb	1/2"	15	140	95	35	66.5	13	4-φ 15	110	175	-	7
		3/4"	20	152	117	43	82.5	14	4-φ 19	115	175	-	7.5
		1"	25	165	124	51	89	16	4-φ 19	115	175	-	8.5
		1 1/4"	32	178	133	64	98.5	17	4-φ 19	135	220	-	13
	X43F-300LbP X343F-300LbP	1 1/2"	40	190	156	73	114.5	19	4-φ 22	140	280	-	17
		2"	50	216	165	92	127	21	8-φ 19	150	305	-	22
		2 1/2"	65	241	190	105	149	24	8-φ 22	165	350	-	29
	X43F-300LbR X343F-300LbR	3"	80	283	210	127	168.5	27	8-φ 22	180	405	300	41
		4"	100	305	154	157	200	30	8-φ 22	380	-	320	50
		6"	150	403	318	216	270	35	12-φ 22	520	-	320	68
		8"	200	419	381	270	330	40	12-φ 25	580	-	350	87
		10"	250	457	445	324	387.5	46	16-φ 29	620	-	350	155
		12"	300	502	521	381	451	49	16-φ 32	680	-	380	230

Main External and Connection Dimension

Unit: mm

Order No.	Type	NPS	DN	Class 600Lb									WT (kg)
		in	mm	L	D	D ₁	D ₂	b	Z-φ d	H	W	D ₀	
LX-178A LX-178B LX-178C LX-178D LX-178E LX-178F	X43F-600Lb X343F-600Lb	1/2"	15	165	95	66.5	35	15	4-φ 15	110	175	-	9
		3/4"	20	190	118	82.5	43	16	4-φ 19	115	175	-	12
		1"	25	216	124	89	51	18	4-φ 19	115	175	-	14
		1 1/4"	32	229	133	98.5	64	21	4-φ 19	135	220	-	18
	X43F-600LbP X343F-600LbP	1 1/2"	40	241	156	114.5	73	23	4-φ 22	140	280	-	21
		2"	50	292	165	127	92	26	8-φ 19	150	305	-	27
		2 1/2"	65	330	190	149	100	29	8-φ 22	165	380	-	34
	X43F-600LbR X343F-600LbR	3"	80	356	210	168	127	32	8-φ 22	180	450	-	46
		4"	100	432	273	216	157	38	8-φ 25	380	-	300	58
		6"	150	559	356	292	216	48	12-φ 29	520	-	320	78
		8"	200	660	419	349	270	56	12-φ 32	580	-	320	105



Main External and Connection Dimension

Unit: mm

Order No.	Type	NPS	DN	Class 150Lb										WT (kg)
		in	mm	L	L ₁	D	D ₁	D ₂	b	Z-φd	H	W	D ₀	
LX-179A LX-179B	X44F-150Lb X344F-150Lb	1/2"	15	108	68	89	60.5	35	11	4-φ15	150	300	-	9.5
		3/4"	20	117	73	98	70	43	11	4-φ15	155	300	-	12
		1"	25	127	80	108	79.5	51	12	4-φ15	160	300	-	14
		1 1/4"	32	140	85	117	89	64	13	4-φ15	180	350	-	16
LX-179C LX-179D	X44F-150LbP X344F-150LbP	1 1/2"	40	165	95	127	98.5	73	15	4-φ15	190	400	-	21
		2"	50	178	110	152	120.5	92	16	4-φ19	200	500	-	27
		2 1/2"	65	190	125	178	139.5	105	18	4-φ19	220	500	-	38
		3"	80	203	130	190	152.5	127	19	4-φ19	230	500	-	49
LX-179E LX-179F	X44F-150LbR X344F-150LbR	4"	100	229	155	229	190.5	157	24	4-φ19	380	-	300	57
		6"	150	267	185	279	241.5	216	26	8-φ22	520	-	320	71
		8"	200	292	225	343	298.5	270	29	8-φ22	580	-	320	94
		10"	250	330	260	406	362	324	31	12-φ25	620	-	350	155
		12"	300	356	300	483	432	381	32	12-φ25	680	-	380	237

Main External and Connection Dimension

Unit: mm

Order No.	Type	NPS	DN	Class 300Lb										WT (kg)
		in	mm	L	L ₁	D	D ₁	D ₂	b	Z-φd	H	W	D ₀	
LX-179G LX-179H	X44F-300Lb X344F-300Lb	1/2"	15	140	75	95	66.5	35	15	4-φ15	150	300	-	10.5
		3/4"	20	152	91	117	82.5	43	16	4-φ19	155	300	-	13.5
		1"	25	165	95	124	89	51	18	4-φ19	160	300	-	16
		1 1/4"	32	478	100	133	98.5	64	19	4-φ19	180	350	-	18
LX-179I LX-179J	X44F-300LbP X344F-300LbP	1 1/2"	40	190	120	156	114.5	73	21	4-φ22	190	400	-	23
		2"	50	216	125	165	127	92	23	8-φ19	200	500	-	31
		2 1/2"	65	241	140	190	149	105	26	8-φ22	220	500	-	41
		3"	80	283	155	210	168.5	127	29	8-φ22	230	500	-	54
LX-179K LX-179L	X44F-300LbR X344F-300LbR	4"	100	305	185	254	200	157	32	8-φ22	380	-	300	61
		6"	150	403	220	318	270	216	37	12-φ22	520	-	320	75
		8"	200	419	257	381	330	270	42	12-φ25	580	-	320	98
		10"	250	457	300	445	387.5	324	48	16-φ25	620	-	350	166
		12"	300	502	340	521	451	381	51	16-φ25	680	-	380	243

Main External and Connection Dimension

Unit: mm

Order No.	Type	NPS	DN	Class 150Lb										WT (kg)
		in	mm	L	D	D ₁	D ₂	b	W	H	M	N	Z-φd	
LX-180A LX-180B	BX43F-150Lb BX43F-150LbP	1/2"	15	108	108	79.5	51	11	300	150	25	35	4-φ15	
		3/4"	20	117	127	98.5	73	11	300	155	25	40	4-φ15	
		1"	25	127	152	120.5	92	12	300	160	25	45	4-φ19	
		1 1/4"	32	140	152	120.5	92	13	350	180	25	50	4-φ19	
		1 1/2"	40	165	190	152.5	127	15	400	190	40	70	4-φ19	
		2"	50	178	190	152.5	127	16	500	200	40	70	4-φ19	
		2 1/2"	65	190	190	152.5	127	18	500	220	40	80	4-φ19	
		3"	80	203	279	190.5	157	19	500	230	40	100	8-φ19	
		5"	100	229	279	241.5	202	22	-	380	50	100	8-φ22	
		4"	125	254	279	241.5	202	24	-	460	50	120	8-φ22	
		6"	150	267	343	298.5	270	26	-	520	50	150	8-φ22	
		8"	200	292	406	362	324	29	-	580	80	170	12-φ25	
		10"	250	330	483	432	381	31	-	620	80	190	12-φ25	
		12"	300	356	533	476	413	32	-	680	80	200	12-φ29	

Main External and Connection Dimension

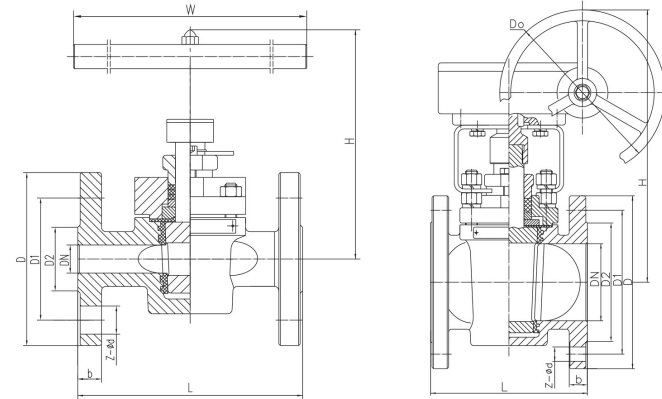
Unit: mm

Order No.	Type	NPS	DN	Class 300Lb									
		in	mm	L	D ₁	D ₂	D	b	W	H	M	N	Z-φ d
LX-181A LX-181B	BX43F-300Lb BX43F-300LbP	1/2"	15	140	89	51	124	15	300	150	25	35	4-φ 19
		3/4"	20	152	114.5	73	156	16	300	155	25	40	4-φ 22
		1"	25	165	127	92	165	18	300	160	25	45	8-φ 19
		1 1/4"	32	178	127	92	165	19	350	180	25	50	8-φ 19
		1 1/2"	40	190	168.5	127	210	21	400	190	40	70	8-φ 22
		2"	50	216	168.5	127	210	23	500	200	40	70	8-φ 22
		2 1/2"	65	241	168.5	127	210	26	500	220	40	80	8-φ 22
		3"	80	283	200	157	254	29	500	230	40	100	8-φ 22
		5"	100	305	270	216	318	32	-	380	50	100	12-φ 22
		4"	125	381	270	216	318	35	-	460	50	120	12-φ 22
		6"	150	403	330	270	381	37	-	520	50	150	12-φ 22
		8"	200	419	387.5	324	445	42	-	580	80	170	16-φ 29
		10"	250	457	451	381	521	48	-	620	80	190	16-φ 32
		12"	300	502	514.5	413	584	51	-	680	80	200	20-φ 32

Main External and Connection Dimension

Unit: mm

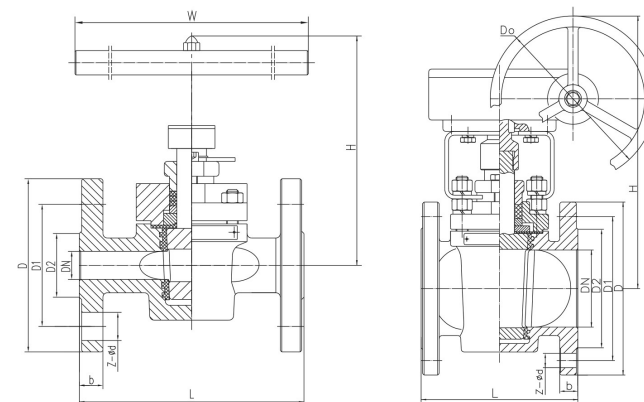
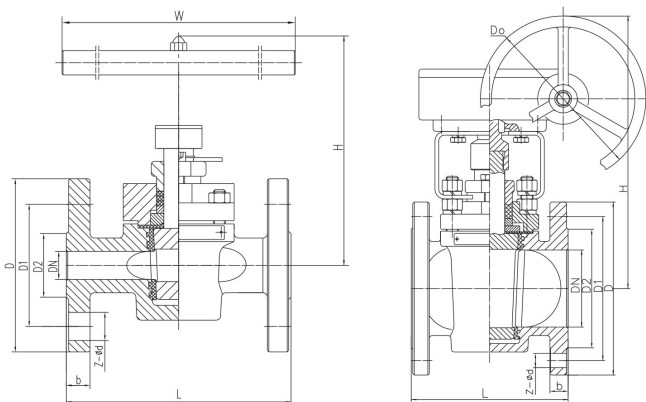
Order No.	Type	NPS	DN	Class 600Lb									
		in	mm	L	D	D ₁	D ₂	b	W	H	M	N	Z-φ d
LX-181C LX-181D	BX43F-600Lb BX43F-600LbP	1/2"	15	165	124	89	51	22	300	150	25	50	4-φ 19
		3/4"	20	190	156	114.5	73	23	300	155	25	50	4-φ 22
		1"	25	216	165	127	92	25	300	160	25	50	8-φ 19
		1 1/4"	32	229	165	127	92	38	350	180	25	60	8-φ 19
		1 1/2"	40	241	210	168	127	30	400	190	40	80	8-φ 22
		2"	50	292	210	168	127	33	500	200	40	80	8-φ 22
		2 1/2"	65	330	210	168	127	36	500	220	40	90	8-φ 22
		3"	80	356	273	216	157	39	-	230	40	110	8-φ 22
		5"	100	432	356	292	216	45	-	280	50	110	12-φ 29
		4"	125	508	356	292	216	52	-	460	50	130	12-φ 29
		6"	150	559	419	349	270	55	-	520	50	160	12-φ 32
		8"	200	660	508	432	324	63	-	580	80	180	16-φ 35
		10"	250	787	559	489	381	71	-	620	80	200	20-φ 35
		12"	300	838	603	527	413	74	-	680	80	210	20-φ 38



Main External and Connection Dimension

Unit: mm

Order No.	Type	DN	NPS	PN1.6/2.5MPa									WT (kg)
		mm	in	L	D	D ₁	D ₂	b	Z-φ d	H	W	D ₀	
LX-182A LX-182B LX-182C LX-182D LX-182E LX-182F	DIN/X43F-16C DIN/X343F-16C	15	1/2"	130	95	65	45	16	4-φ 14	150	300	-	6.5
		20	3/4"	150	105	75	58	18	4-φ 14	155	300	-	7.0
		25	1"	160	115	85	68	18	4-φ 14	160	300	-	8.0
		32	1 1/4"	180	140	100	78	18	4-φ 18	180	350	-	11
		40	1 1/2"	200	150	110	88	18	4-φ 18	190	400	-	15
	DIN/X43F-16P DIN/X343F-16P	50	2"	230	165	125	102	20	4-φ 18	200	500	-	18
		65	2 1/2"	290	185	145	122	18	4-φ 18	220	500	-	26
		80	3"	310	200	160	138	20	8-φ 18	230	550	-	36
		100	4"	350	220	180	158	20	8-φ 18	380	-	300	44
		150	6"	480	285	240	212	22	8-φ 22	520	-	320	60
	DIN/X43F-16R DIN/X343F-16R	200	8"	600	340	295	268	24	12-φ 22	580	-	320	81
		250	10"	730	405	355	320	26	12-φ 26	620	-	350	147
		300	12"	850	460	410	378	28	12-φ 26	680	-	380	217
LX-182G LX-182H LX-182I LX-182J LX-182K LX-182L	DIN/X43F-25 DIN/X343F-25	15	1/2"	130	95	65	45	16	4-φ 14	150	300	-	6.5
		20	3/4"	150	105	75	58	18	4-φ 14	155	300	-	7.0
		25	1"	160	115	85	68	18	4-φ 14	160	300	-	8.0
		32	1 1/4"	180	140	100	78	18	4-φ 18	180	350	-	11
		40	1 1/2"	200	150	110	88	18	4-φ 18	190	400	-	15
	DIN/X43F-25P DIN/X343F-25P	50	2"	230	165	125	102	20	8-φ 18	200	500	-	18
		65	2 1/2"	290	185	145	122	22	8-φ 18	220	500	-	26
		80	3"	310	200	160	138	24	8-φ 18	230	550	-	36
		100	4"	350	235	190	162	24	8-φ 22	380	-	300	44
		150	6"	480	300	250	218	28	8-φ 26	520	-	320	60
	DIN/X43F-25R DIN/X343F-25R	200	8"	600	360	310	278	30	12-φ 26	580	-	320	81
		250	10"	730	425	370	335	32	12-φ 30	620	-	350	147
		300	12"	850	485	430	395	34	16-φ 30	680	-	380	217



Main External and Connection Dimension

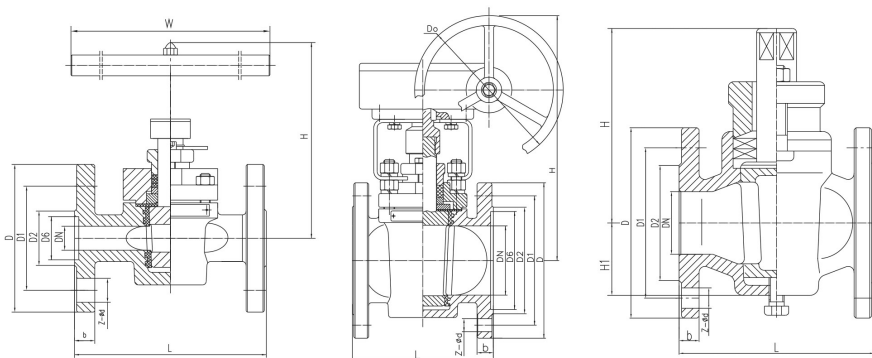
Unit: mm

Order No.	Type	DN	NPS	PN4.0/6.4MPa								WT (kg)
		mm	in	L	D	D ₁	D ₂	b	Z-φd	H	W	
LX-183A LX-183B LX-183C LX-183D LX-183E LX-183F	DIN/X43F-40 DIN/X343F-40	15	1/2"	130	95	65	45	16	4-φ14	150	300	7
		20	3/4"	150	105	75	58	18	4-φ14	155	300	7.5
		25	1"	160	115	85	68	18	4-φ14	160	300	8.5
		32	1 1/4"	180	140	100	78	18	4-φ18	180	350	13
		40	1 1/2"	200	150	110	88	18	4-φ18	190	400	17
	DIN/X43F-40P DIN/X343F-40P	50	2"	230	165	125	102	20	4-φ18	200	500	22
		65	2 1/2"	290	185	145	122	22	8-φ18	220	500	29
	DIN/X43F-40R DIN/X343F-40R	80	3"	310	200	160	138	24	8-φ18	230	550	41
		100	4"	350	235	190	162	24	8-φ22	380	300	50
		150	6"	480	300	250	218	28	8-φ26	520	320	68
LX-183G LX-183H LX-183I LX-183J LX-183K LX-183L	DIN/X43F-64 DIN/X343F-64	200	8"	600	375	320	285	34	12-φ30	580	320	87
		250	10"	730	450	385	345	38	12-φ33	620	350	155
		300	12"	850	515	450	410	42	16-φ33	680	380	230
		15	1/2"	130	105	75	45	20	4-φ14	150	300	9
	DIN/X43F-64P DIN/X343F-64P	20	3/4"	150	105	75	58	20	4-φ14	160	300	12
		25	1"	160	140	100	68	24	4-φ18	160	300	14
		32	1 1/4"	180	155	110	75	24	4-φ22	180	350	18
	DIN/X43F-64R DIN/X343F-64R	40	1 1/2"	200	170	125	88	28	4-φ22	190	400	21
		50	2"	230	180	135	102	26	4-φ22	200	500	27
		65	2 1/2"	290	205	160	122	26	8-φ22	220	500	34
	DIN/X43F-64R DIN/X343F-64R	80	3"	310	215	170	138	28	8-φ22	230	550	46
		100	4"	350	250	200	162	30	8-φ26	380	300	58
		150	6"	480	345	280	218	36	8-φ33	520	320	78
		200	8"	600	415	345	285	42	12-φ36	580	320	105

Main External and Connection Dimension

Unit: mm

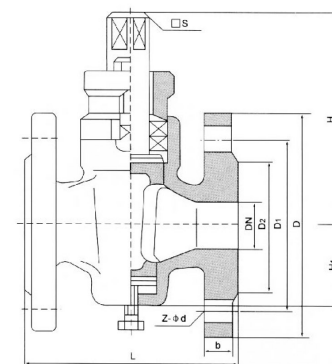
Order No.	Type	DN	NPS	PN1.6/2.5MPa								WT (kg)
		mm	in	L	D	D ₁	D ₂	b	Z-φd	H	W	
LX-184A LX-184B LX-184C LX-184D LX-184E LX-184F	X43F-16C X343F-16C	15	1/2"	130	95	65	45	16	4-φ14	150	300	6.5
		20	3/4"	150	105	75	55	16	4-φ14	155	300	7.0
		25	1"	160	115	85	65	16	4-φ14	160	300	8.0
		32	1 1/4"	180	135	100	78	18	4-φ18	180	350	11
		40	1 1/2"	200	145	110	85	18	4-φ18	190	400	15
	X43F-16P X343F-16P	50	2"	230	160	125	100	18	4-φ18	200	500	18
		65	2 1/2"	290	180	145	120	18	4-φ18	220	500	26
	X43F-16R X343F-16R	80	3"	310	195	160	135	20	8-φ18	230	550	36
		100	4"	350	215	180	155	22	8-φ18	380	300	44
		150	6"	480	280	240	210	24	8-φ23	520	320	60
		200	8"	600	335	295	265	26	12-φ23	580	320	81
		250	10"	730	405	355	320	30	12-φ23	620	350	147
LX-184G LX-184H LX-184I LX-184J LX-184K LX-184L	X43F-25 X343F-25	300	12"	850	460	410	375	30	12-φ23	680	380	217
		15	1/2"	130	95	65	45	16	4-φ14	150	300	6.5
		20	3/4"	150	105	75	55	16	4-φ14	155	300	7.0
		25	1"	160	115	85	65	16	4-φ14	160	300	8.0
		32	1 1/4"	180	135	100	78	18	4-φ18	180	350	11
	X43F-25P X343F-25P	40	1 1/2"	200	145	110	85	18	4-φ18	190	400	15
		50	2"	230	160	125	100	20	4-φ18	200	500	18
		65	2 1/2"	290	180	145	120	22	8-φ18	220	500	26
	X43F-25R X343F-25R	80	3"	310	195	160	135	22	8-φ18	230	550	36
		100	4"	350	230	190	160	24	8-φ23	380	300	44
		150	6"	480	300	250	218	30	8-φ25	520	320	60
		200	8"	600	360	310	278	34	12-φ25	580	320	81
		250	10"	730	425	370	332	36	12-φ30	620	350	147
		300	12"	850	485	430	390	40	12-φ30	680	380	217



Main External and Connection Dimension

Unit: mm

Order No.	Type	DN	NPS	PN4.0/6.4MPa										WT (kg)
		mm	in	L	D	D ₁	D ₂	D ₆	b	Z-φ d	H	W	D ₀	
LX-185A LX-185B LX-185C LX-185D LX-185E LX-185F	X43F-40 X343F-40	15	1/2"	130	95	65	45	40	16	4-φ 14	150	300	-	7
		20	3/4"	150	105	75	55	51	16	4-φ 14	155	300	-	7.5
	X43F-40P X343F-40P	25	1"	160	115	85	65	58	16	4-φ 14	160	300	-	8.5
		32	1 1/4"	180	135	100	78	66	18	4-φ 18	180	350	-	13
	X43F-40R X343F-40R	40	1 1/2"	200	145	110	85	76	18	4-φ 18	190	400	-	17
		50	2"	230	160	125	100	88	20	4-φ 18	200	500	-	22
		65	2 1/2"	290	180	145	120	100	22	8-φ 18	220	500	-	29
		80	3"	310	195	160	135	121	22	8-φ 18	230	550	-	41
		100	4"	350	230	190	160	150	24	8-φ 23	380	-	300	50
		150	6"	480	300	250	218	204	30	8-φ 25	520	-	320	68
LX-185G LX-185H LX-185I LX-185J LX-185K LX-185L	X43F-64 X343F-64	200	8"	600	375	320	282	260	38	12-φ 30	580	-	320	87
		250	10"	730	445	385	345	313	42	12-φ 34	620	-	350	155
	X43F-64P X343F-64P	300	12"	850	510	450	408	364	46	16-φ 34	680	-	380	230
		15	1/2"	130	105	75	55	40	18	4-φ 14	150	300	-	9
	X43F-64R X343F-64R	20	3/4"	150	125	90	68	51	20	4-φ 18	160	300	-	12
		25	1"	160	135	100	78	58	22	4-φ 18	160	300	-	14
		32	1 1/4"	180	150	110	82	66	24	4-φ 23	180	350	-	18
		40	1 1/2"	200	165	125	95	76	24	4-φ 23	190	400	-	21
		50	2"	230	175	135	105	88	26	8-φ 23	200	500	-	27
		65	2 1/2"	290	200	160	130	100	28	8-φ 23	220	500	-	34
		80	3"	310	210	170	140	121	30	8-φ 23	230	550	-	46
		100	4"	350	250	200	168	150	32	8-φ 25	380	-	300	58
		150	6"	480	340	280	240	204	38	8-φ 34	520	-	320	78
		200	8"	600	405	345	300	260	44	12-φ 34	580	-	320	105



Main External and Connection Dimension

Unit: mm

Order No.	Type	DN	PN1.0MPa									WT (kg)
			L	D	D ₁	D ₂	b	Z-φ d	□S	H	H ₁	
LX-186A LX-186B LX-186C LX-186D LX-186E	X43W-10T	15	80	95	65	45	14	4-φ 14	14	73	26	2
		20	90	105	75	55	16	4-φ 14	14	90	34	2.5
	X43T-10 X43W-10	25	110	115	85	65	16	4-φ 14	17	95	38	3.5
		32	115	135	100	78	18	4-φ 18	19	107	45	5.5
	X43W-10P X43W-10R	40	150	145	110	85	18	4-φ 18	22	157	55	7
		50	170	160	125	100	20	4-φ 18	27	186	74	11
		65	220	180	145	120	20	4-φ 18	32	213	82	16.5
		80	250	195	160	135	22	4-φ 18	36	222	95	23
		100	300	215	180	155	26	8-φ 18	46	295	135	48
		150	400	280	240	210	24	8-φ 23	55	340	172	67
		200	480	335	295	265	24	8-φ 23	75	410	195	90
		250	530	390	350	320	28	12-φ 23	85	430	230	130
		300	610	440	400	368	30	12-φ 23	100	497	263	180