



# SERIES 30

## MADE IN MARS

Take a good look, it may be your future

### Three-Way Multi-Port Ball Valves Full Port 1 1/2" to 12"



#### DESIGN FEATURES

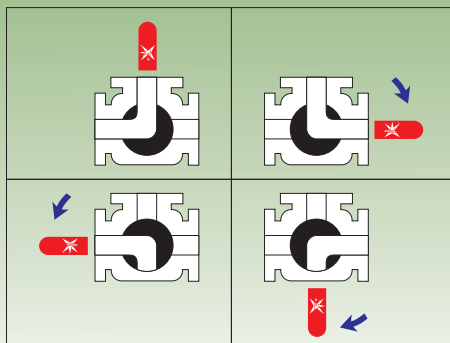
- Available in Stainless Steel and Carbon Steel
- Trunnion Ball Design
- Full Port Ball Orifice
- ISO 5211 Mounting Dimension
- Easy Seat and Packing Replacement
- Investment Cast and Sand Cast Body Construction
- Variety of international Standards Available

#### AVAILABLE STANDARDS

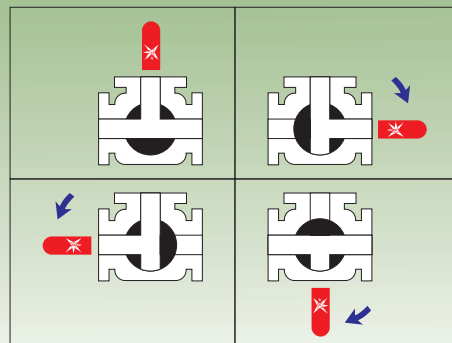
- ANSI CLASS 150 Lbs. & CLASS 300 Lbs.
- DIN PN 10/16 & PN 25/40
- JIS 10K & 20K

#### FLOW PATTERNS

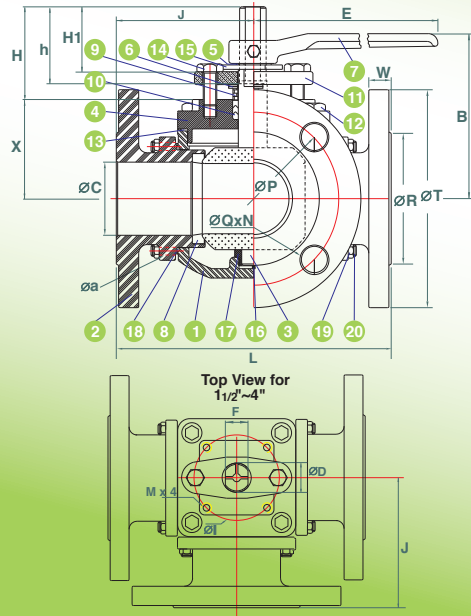
3-Way L-Port



3-Way T-Port



# MATERIALS LIST



NO.	PART NAME	MATERIAL		Q'TY	NO.	PART NAME	MATERIAL		Q'TY
		Stainless Steel	Carbon Steel				Stainless Steel	Carbon Steel	
1	Body	ASTM A351 Gr. CF8M	ASTM A216 Gr. WCB	1	11	Bonnet Cap	SS 304	SS 304	1
2	Flange Cap	ASTM A351 Gr. CF8M	ASTM A216 Gr. WCB	3	12	Cover Bolt	ASTM A193 Gr. B8	S45C	•
3	Ball & Stem	SUS316	SUS304	1	13	Cover Joint Gasket	PTFE	PTFE	1
4	Top Cover	ASTM A351 Gr. CF8M	ASTM A216 Gr. WCB	1	14	Bonnet Cap Bolt	ASTM A193 Gr. B8	S45C	2
5	C Retainer Ring	SUS 301	SUS 301	1	15	Stopper	SUS 304	SUS 304	1
6	Belleve Washer	SUS 301	50CrV	2	16	Spring	SUS304	SUS304	1
7	Handle	Cast Iron	Cast Iron	1	17	Bushing	f	f	1
8	Ball Seat	RPTFE	RPTFE	3	18	Cap Joint Gasket	PTFE	PTFE	3
9	Gland	SUS 304	SUS 304	1	19	Nut	SUS 304	S45C	‡
10	V-Ring Packing	PTFE	PTFE	3	20	Stud	SUS 304	S45C	‡

\* 1 1/2" to 4" - 4pcs; 6" to 12" - 8pcs.  
f 50% stainless steel powder filled PTFE  
‡ 1 1/2" to 4"-12pcs ; 6" to 12" -24pcs.

# DIMENSIONS (mm)

## 30-10 ANSI 150# & 30-20 ANSI 300#

SIZE	Øa	B	ØC	ØD	E	F	H	H1	•H	•H1	h	ØI	J	*J	L	*L	M	N	*N	ØP	*ØP	ØQ	*ØQ	ØR	*ØR	ØT	*ØT	W	*W	W(kg)	*W(kg)	x±2.5	ISO5211
1 1/2"	3/8"	115	40	22.0	292	17.0	44	33			38	50	90.5	109.5	•181	•219	3/8"	4	4	98.5	114.5	16	22	73	127	156	14.3	20.7	15.0	20.0	66	F05	
2"	3/8"	122	50	22.0	292	17.0	44	33			41	70	110	119	•220	•238	3/8"	4	8	120.5	127.0	19	19	92	152	165	15.9	22.3	18.0	24.0	72	F07	
2 1/2"	1/2"	163	66	29.5	385	17.0	65	32			47	70	141	140.5	282	281	7/16"	4	8	139.5	149.0	19	22	105	178	190	17.5	25.4	25.0	33.0	96.5	F07	
3"	1/2"	175	76	29.5	385	17.0	61	38	•77	•38	48	102	142.5	142.5	285	285	7/16"	4	8	152.5	168.0	19	22	127	190	210	19.1	28.6	32.0	42.0	113	F10	
4"	1/2"	215	101	34.0	530	23.0	61	37	•80	•46	48	125	174.167	193.178	348.334	386.358	1/2"	8	8	190.5	200.0	19	22	157	229	254	23.9	31.8	54.0	70.0	148	F12	
6"	1/2"	256	151	45.0	800	35.0	78	55			48	125	214	234	428	468	1/2"	8	12	241.5	270.0	22	22	216	279	318	25.4	36.6	110.0	143.0	182	F12	
8"	5/8"	303	201	60.0	1000	45.0	87	55			58	165	268	303	536	606	5/8"	8	12	298.5	330.0	22	25	270	343	381	28.6	41.3	180.0	288.0	226	F16	
10"	5/8"	330	250	60.0	1000	45.0	91	59			55	165	351.5	384.5	703	769	5/8"	12	16	362	387.5	25	29	324	406	444	30.2	47.7	280.0	334.0	228	F16	
12"	5/8"	370	300	70.0	1000	55.0	96	50			65	165	385	400	770	800	5/8"	12	16	432	451	25	32	381	483	521	31.8	50.8	350.0		272	F16	

@ Dimension for Solid Ball

\* Dimension for (Investment Cast)

\* Dimension for ANSI Class 300

## 30-30 PN10/16 & 30-40 PN25/40

SIZE	Øa	B	ØC	ØD	E	F	H	H1	•H	•H1	h	ØI	J	*J	L	*L	M	N	*N	ØP	*ØP	ØQ	*ØQ	ØR	*ØR	ØT	*ØT	W	*W	W(kg)	*W(kg)	x±2.5	ISO5211
1 1/2"	3/8"	115	40	22.0	292	17.0	44	33			38	50	94.5	94.5	•189	•189	M8	4	4	110.0	110.0	18	18	88	88	150	150	16.0	18.0	15.0	20.0	66	F05
2"	3/8"	122	50	22.0	292	17.0	44	33			41	70	113	113	•226	•226	M8	4	4	125.0	125.0	18	18	102	102	165	165	18.0	20.0	18.0	24.0	72	F07
2 1/2"	1/2"	163	66	29.5	385	17.0	65	32			47	70	142.5	142.5	285	285	M8	4	8	145.0	145.0	18	18	122	122	185	185	18.0	22.0	25.0	33.0	96.5	F07
3"	1/2"	175	76	29.5	385	17.0	61	38	•77	•38	48	102	154.148	154.148	307.296	307.296	M10	8	8	160.0	160.0	18	18	138	138	200	200	24.0	32.0	42.0	113	F10	
4"	1/2"	215	101	34.0	530	23.0	61	37	•80	•46	48	125	171.171	171.171	342.244	342.244	M12	8	8	180.0	190.0	18	23	158	162	220	235	20.0	24.0	54.0	70.0	148	F12
5"	1/2"	256	125	34.0	530	23.0	77	45			50	125	209	209	418	418	M12	8	8	210.0	220.0	18	27	188	188	250	270	20.0	26.0	92.0	118.0	137	F12
6"	1/2"	256	151	45.0	800	35.0	78	55			48	125	224	224	448	448	M12	8	8	240.0	250.0	23	27	212	218	285	300	22.0	28.0	110.0	143.0	182	F12
8"	5/8"	303	201	60.0	1000	45.0	87	55			58	165	269	269	538	538	M16	12	12	295.0	310.0	23	27	263	278	340	360	22.0	30.0	180.0	288.0	226	F16
10"	5/8"	330	250	60.0	1000	45.0	91	59			55	165	351.5	351.5	703	703	M16	12	12	350.0	370.0	23	30	320	335	395	425	24.0	32.0	280.0	334.0	228	F16
12"	5/8"	370	300	70.0	1000	55.0	96	50			65	165	380	380	760	760	M16	12	16	400.0	430.0	23	30	370	395	445	465	26.0	34.0	350.0		272	F16
12"	5/8"	370	300	70.0	1000	55.0	96	50			65	165	380	380	760	760	M16	12	16	410.0	450.0	27	33	378	410	460	515	28.0	42.0	350.0		272	F16

@ Dimension for Solid Ball

# Dimension for (Investment Cast)

\* Dimension for PN16 & 40

\* Dimension for PN25/40

## 30-50 JIS 10K & 30-60 JIS 20K

SIZE	Øa	B	ØC	ØD	E	F	H	H1	•H	•H1	h	ØI	J	*J	L	*L	M	N	*N	ØP	*ØP	ØQ	*ØQ	ØR	*ØR	ØT	*ØT	W	*W	x±2.5	ISO5211		
1 1/2"	3/8"	115	40	22.0	292	17.0	44	33			38	50	90.5	109.5	•181	•219	3/8"	4	4	105	105	19	19	85	85	140	140	16.0	18.0	16.0	22.0	66	F05
2"	3/8"	122	50	22.0	292	17.0	44	33			41	70	110	119	•220	•238	3/8"	4	4	120	120	19	19	100	100	155	155	16.0	18.0	17.0	22.0	72	F07
2 1/2"	1/2"	163	66	29.5	385	17.0	65	32			47	70	141	140.5	282	281	7/16"	4	8	140	140	19	19	120	120	175	175	18.0	20.0	96.5	F07		
3"	1/2"	175	76	29.5	385	17.0	61	38	•77	•38	48	102	142.5	142.5	285	285	7/16"	4	8	150	160	19	23	130	135	185	200	18.0	22.0	113	F10		
4"	1/2"	215	101	34.0	530	23.0	61	37	•80	•46	48	125	174.167	193.178	348.334	386.358	1/2"	8	8	175	185	19	23	155	160	210	225	18.0	24.0	148	F12		
6"	1/2"	256	151	45.0	800	35.0	78	55			48	125	214	234	428	468	1/2"	8	12	240	260	23	25	215	230	380	305	22.0	28.0	182	F12		
8"	5/8"	303	201	60.0	1000	45.0	87	55			58	165	268	303	536	606	5/8"	12	12	290	305	23	25	265	275	330	250	22.0	30.0	226	F16		
10"	5/8"	330	250	60.0	1000	45.0	91	59			55	165	351.5	384.5	703	769	5/8"	12	12	355	380	25	27	325	345	400	430	24.0	34.0	228	F16		
12"	5/8"	370	300	70.0	1000	55.0	96	50			65	165	385	400	770	800	5/8"	12	16	400	430	25	27	368	396	445	480	24.0	36.0	272	F16		

@ Dimension for Solid Ball

\* Dimension for (Investment Cast)

\* Dimension for JIS 20K

# HOW TO ORDER ■ 30 - 1011SL

<b>30 - 10</b>	<b>11</b>	<b>S</b>	<b>L</b>
<b>STYLE</b>	<b>SIZE</b>	<b>BODY MATERIAL</b>	<b>PORT TYPE</b>
<input checked="" type="checkbox"/> 30-10 ANSI CLASS 150 <input type="checkbox"/> 30-20 ANSI CLASS 300 <input type="checkbox"/> 30-30 DIN PN 10/16 <input type="checkbox"/> 30-40 DIN PN 25/40 <input type="checkbox"/> 30-50 JIS 10K <input type="checkbox"/> 30-60 JIS 20K	<input type="checkbox"/> 07 ) 11/2" <input type="checkbox"/> 08 ) 2" <input type="checkbox"/> 09 ) 2 1/2" <input type="checkbox"/> 10 ) 3" <input checked="" type="checkbox"/> 11 ) 4" <input type="checkbox"/> 12 ) 5" <input type="checkbox"/> 13 ) 6" <input type="checkbox"/> 14 ) 8" <input type="checkbox"/> 15 ) 10"	<input checked="" type="checkbox"/> S - CF8M <input type="checkbox"/> W - WCB <input type="checkbox"/> F - 304 S. S.	<input checked="" type="checkbox"/> L - PORT - L <input type="checkbox"/> T - PORT - T

