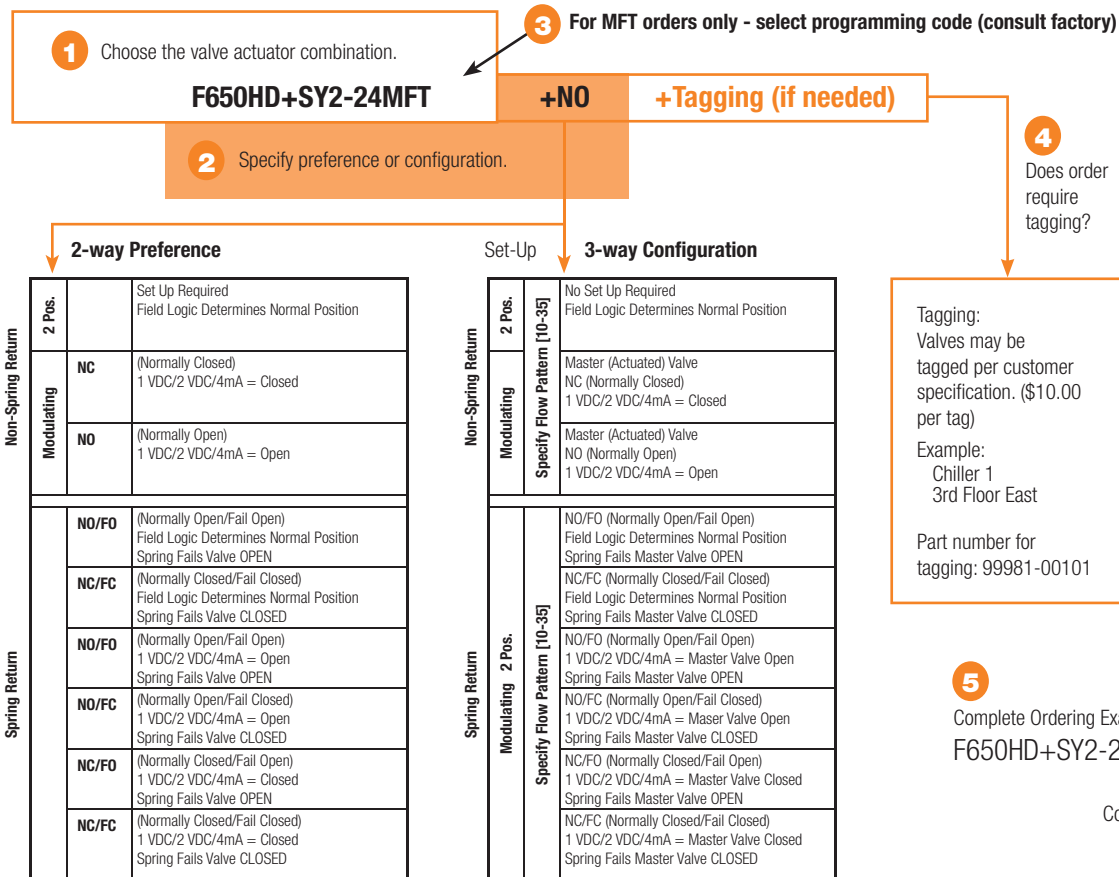


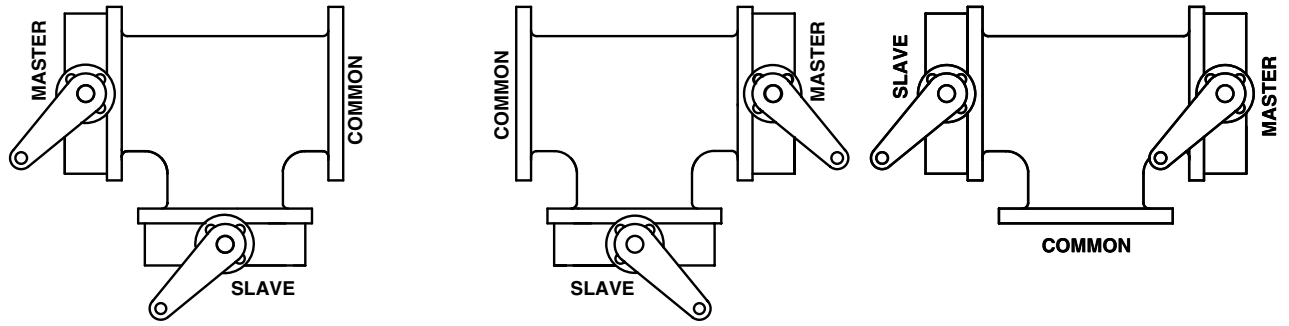
# Butterfly Valve Nomenclature

F6	50	HD	SY2	-24	MFT	
<b>Valve</b> F6 = 2-way F7 = 3-way	<b>Valve Size</b> 50-750 = 2" to 30"	<b>Trim Material</b> <b>HDU</b> = Stainless Disc, Cast Ductile Iron Full Lug Body, EPDM Liner, Bubble Tight Close-Off to 50 psi <b>HD</b> = Stainless Disc, Cast Ductile Iron Full Lug Body, EPDM Liner, Bubble Tight Close-Off to 200 psi (2" to 12"), 150 psi (14"+) <b>-150SHP</b> = ANSI Class 150, Stainless Disc, Cast Steel Full Lug Body, RPTFE Seat, Bubble Tight Close-off up to 285 psi <b>-300SHP</b> = ANSI Class 150, Stainless Disc, Cast Steel Full Lug Body, RPTFE Seat, Bubble Tight Close-off up to 600 psi	<b>Actuator Type</b> Non-Spring Return DR... GR... GMB(X) SY... Electronic Fail-Safe GK... Spring Return AF...	<b>Power Supply</b> -24 = 24 VAC/DC -110 = 110/120 VAC -120 = 120 VAC -230 = 230 VAC	<b>Control</b> Blank = On/Off -3-X1 = On/Off, Floating Point MFT or MFT-X1 = Multi-Function Technology	-S = Built-in Auxiliary Switch

## Ordering Example



D163



CONFIG CODE	ON/OFF OR MOD@2VDC MASTER VALVE IS	MASTER VALVE @ FAIL
X10	OPEN	NON-FAIL
X11	OPEN	OPEN
X12	OPEN	CLOSED
X13	CLOSED	NON-FAIL
X14	CLOSED	OPEN
X15	CLOSED	CLOSED

CONFIG CODE	ON/OFF OR MOD@2VDC MASTER VALVE IS	MASTER VALVE @ FAIL
X20	OPEN	NON-FAIL
X21	OPEN	OPEN
X22	OPEN	CLOSED
X23	CLOSED	NON-FAIL
X24	CLOSED	OPEN
X25	CLOSED	CLOSED

CONFIG CODE	ON/OFF OR MOD@2VDC MASTER VALVE IS	MASTER VALVE @ FAIL
X30	OPEN	NON-FAIL
X31	OPEN	OPEN
X32	OPEN	CLOSED
X33	CLOSED	NON-FAIL
X34	CLOSED	OPEN
X35	CLOSED	CLOSED

**X Specifies Bi-Directional Flow Capability**

**Notes:**

1. Slave Valve operates inversely of the Master Valve.
2. The Master Valve is always located on the run.
3. The Slave Valve may also have an actuator if required (Direct Coupled).
4. On/Off actuator normal position is a function of field logic.
5. Proportional actuator normal position is a function of the CCW/CW switch.
6. All 3-way assemblies are designed for 90 degree actuator rotation.

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**Flow in Std Weight Pipe (Fluid Velocity in GPM). Use with Resilient Seat BF Valves.**

SIZE	2 FPS	4 FPS	6 FPS	8 FPS	10 FPS	12 FPS	14 FPS X	16 FPS X
2"	19	39	59	78	98	117	137	157
2½"	30	61	92	122	153	184	214	245
3"	44	88	132	176	220	264	308	353
4"	78	157	235	313	392	470	548	627
5"	122	245	367	490	612	734	857	979
6"	176	352	529	705	881	1058	1234	1410
8"	313	627	940	1253	1567	1880	2193	2507
10"	490	979	1469	1958	2448	2738	3427	3917
12"	705	1410	2115	2820	3525	4230	4935	5640
14"	959	1919	2879	3838	4798	5758	6717	7677
16"	1253	2507	3760	5013	6267	7520	8774	10027
18"	1586	3173	4759	6345	7931	9518	11104	12690
20"	1958	3917	5875	7834	9792	11750	13709	15668
24"	2820	5640	8460	11280	14100	16921	19741	22561
30"	4406	8813	13220	17625	22032	26438	30845	35251

It is not recommended to exceed 12 feet per second through resilient seat butterfly valves.

Velocities greater than 12 fps may damage the valve liner and disc.

If the maximum recommended velocity is exceeded, the valve may be damaged and/or the torque increased potentially exceeding the actuators capacity.