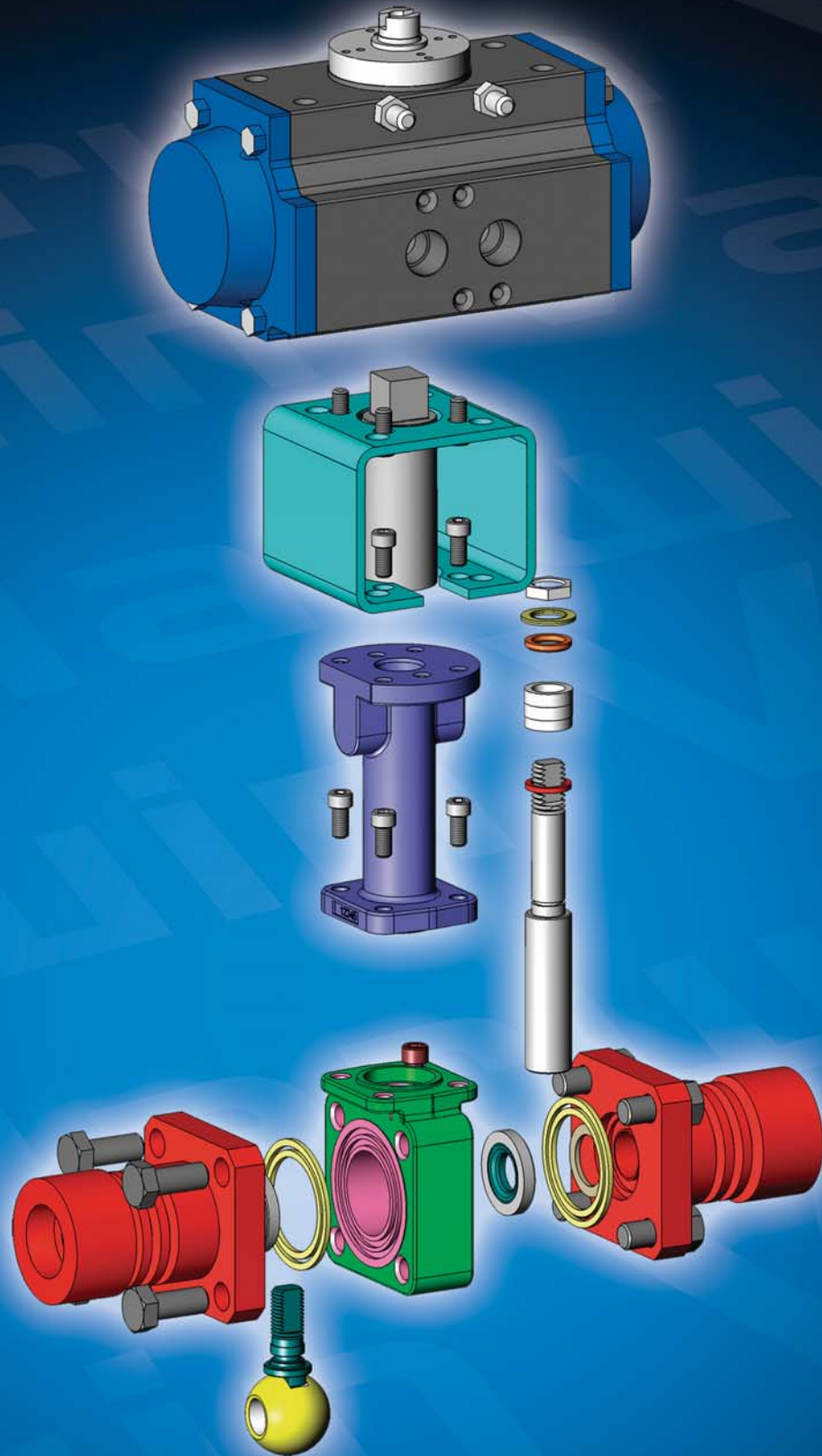






# Condensed Catalog








## Marwin Valve

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## Standard Service Three Piece Ball Valves




Product Matrix For Marwin Ball Valves				
Model	4600 Series	8700 Series	KF8900 Series	4700 Series
Key Features	Brass 3-piece 600 WOG ball valve, swing-out design, cost effective valve for common fluid control applications	3-piece 1000 WOG carbon or stainless ball valve, ISO 5211 direct mount actuator pad, locking handle, tongue & groove body seal, live loaded packing, in-line maintainable	Cavity filled 3-piece 1000 WOG, stainless steel ball valve, locking handle, ISO 5211 actuator mounting pad, 25 Ra polished internal wetted surfaces, swing-out design	3-piece 2000 WOG carbon or stainless steel ball valve, API 607 fire tested (Std), ISO 5211 direct mount actuator pad, locking handle, tongue & groove body seal, spring loaded packing, in-line maintainable
Sizes	1/2" – 3" S.P. (DN15 – 80) 1/4" – 2-1/2" F.P. (DN8 – 65)	1/2" – 2" (DN15 – 50)	1/2" – 4" (DN15 – 100)	1/2" – 4" (DN15 – 100)
Port	Standard and Full Port	Full Port	Full Port	Full Port
Maximum Pressure	Up to 600 psi (Up to 40 bar)	Up to 600 psi (Up to 40 bar)	Up to 1000 psi (Up to 69 bar)	Up to 2000 psi (Up to 138 bar)
Temperature Range	-20 to +325°F (-29 to +163°C)	-20 to +450°F (-29 to +232°C)	-20 to +400°F (-29 to +204°C)	-20 to +450°F (-29 to +232°C)
Body Materials	Brass	Carbon and Stainless Steel	Stainless Steel	Carbon and Stainless Steel
Trim Materials	Chrome Plated Brass, Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
Seat Materials	PTFE	RPTFE (Std), PTFE, CRPTFE, 50% SSPTFE	RPTFE	RPTFE , PTFE, CRPTFE, 50% SSPTFE
End Connections	NPT, Solder	NPT, SWE	Clamp (Std), Tube, NPT	NPT, SWE
Options		Seat and packing materials, special service preparation, upstream vented ball, 3" stem extension, limit switches, fusible link, gear operator, automation	Upstream vented ball, limit switches, automation	Seat & packing materials, special service preparation, upstream vented ball, 3" stem extension, limit switches, fusible link, gear operator, automation

## High Performance Three Piece Ball Valves





				
3000 Series	10000 Series	CV3000 Series	MS3000 Series	MS10000 Series
High pressure valve with encapsulated seats, triple stem seal, dual body seals, and individually bolted end caps, API 607 fire tested	Super high pressure valve with encapsulated seats, triple stem seal, dual body seals, and individually bolted end caps	Control valve with interchangeable upstream characterized plate, encapsulated seats, triple stem seal and dual body seals	Carbon or Metal seated valve for high temperature and wear applications, extended bonnet, enhanced packing and dual body seals	Metal seated valve for high temperature, pressure and wear applications, welded bonnet, enhanced packing and dual body seals
1/2" – 4" S.P. (DN15 – 100) 1/4" – 3" F.P. (DN8 – 80)	1/4" – 2" (DN8 – DN50)	1/2" – 4" S.P. (DN15 – 100) 1/4" – 3" F.P. (DN8 – 80)	1/4" – 2" (DN8 – 50)	1/4" – 2" (DN8 – DN50)
Standard and Full Port	Sch 160 pipe diameter	Standard and Full Port	Sch. 160 pipe diameter	Sch 160 pipe diameter
Up to 4000 psi (Up to 275 bar)	Up to 6000 psi (Up to 415 bar)	Up to 4000 psi (Up to 275 bar)	Up to 1440 psi (Up to 100 bar)	Up to 3700 psi (Up to 255 bar)
-20 to +600°F (-29 to +316°C)	-20 to +600°F (-29 to +316°C)	-20 to +550°F (-29 to +288°C)	-20 to +1000°F (-29 to +538°C)	-20 to +1000°F (-29 to +538°C)
WCB/A105, CF8M/316SS, CF3M/316L, Duplex, 254 SMO, Alloy 20, Monel, Bronze, Hastelloy (B&C), Titanium				
316 SS, 316L SS, 17-4 SS or to match body material requirements				
PTFE, Glass-filled PTFE, Carbon-filled PTFE, UHMWPE, Kel-F, PFA, Hostafion, Delrin, PEEK, Carbon-filled PEEK, or to customer specification			316/Chrome Carbide, Carbon/Nickel	316/Chrome Carbide or to customer specification
NPT, BSPT, Ext. SWE or BWE, Tube Ends, Clamp Ends, Grooved Ends, Inverted Tube Nut, SAE O-Ring Boss, Flanged (ANSI or DIN) (Raised Face, Ring Type Joint, Smooth Facing)				
Assemble dry, dry chlor. prep., anhydrous ammonia service, automation, ext. bonnet, ext. stem, fusible link, gear op., locking device, limit switch, NACE service, oxygen prep.	Assemble dry, dry chlor. prep., automation, ext. bonnet, ext. stem, fusible link, gear op., locking device, limit switch, NACE service, oxygen prep.	Characterized inserts available: full flow; slotted linear control; 30°; 60°; 90°; and with control slots for specific custom application requirements	Class IV, V, VI shut-off, double packing, locking device, automation, fire tested design	Class IV, VI shut-off, automation, gear operators, limit switches





## Two Piece Ball Valves

Product Matrix For Marwin Ball Valves				
Model	600 Series	DM600 Series	9000 Series	DM9000 Series
Key Features	2-piece 600 WOG brass ball valve; cost effective valve for common fluid control applications	2-piece direct mount 600 WOG brass ball valve, with O-ring energized Teflon seats for low torque, ISO 5211 direct mount actuator pad	2-piece carbon and stainless steel ball valve; cost effective valve for common fluid control applications	2-piece direct mount 900 WOG stainless steel ball valve, with O-ring energized Teflon seats for low torque, ISO 5211 direct mount actuator pad
Sizes	1/2" – 2" S.P. (DN15 – 50) 1/4" – 4" F.P. (DN8 – 100)	1/4" – 4" (DN8 – 100)	1/2" – 2" S.P. (DN15 – 50) 1/4" – 3" F.P. (DN8 – 80)	1/2" – 2" (DN15 – 50)
Port	Standard and Full Port	Full Port	Standard and Full Port	Full Port
Maximum Pressure	Up to 600 psi (Up to 40 bar)	Up to 600 psi (Up to 40 bar)	Up to 2000 psi (Up to 138 bar)	Up to 900 psi (Up to 62 bar)
Temperature Range	-20 to +325°F (-29 to +163°C)	-20 to +325°F (-29 to +163°C)	-20 to +400°F (-29 to +204°C)	-20 to +325°F (-29 to +163°C)
Body Materials	Brass	Brass	Carbon & Stainless Steel	Stainless Steel
Trim Materials	Chrome Plated Brass (Std), Stainless Steel	Chrome Plated Brass	Stainless Steel	Stainless Steel
Seats	PTFE	PTFE	RPTFE	PTFE
End Connections	NPT, Solder	NPT	NPT	NPT
Options	Stem & ball material, 3" extension stem, locking handle, vented ball	Automation	Limit switch, 3" extension stem	Automation

		
2000 Series	5000/6000 Series	5800/6800 Series
<p>Cost effective Class 150 and 300 flanged end ball valves, uni-body design (Class 150 std. port), split body design (Classes 150 &amp; 300 full port), anti-static stem, ISO 5211 actuator mounting pad, locking handle</p>	<p>High performance API 607 fire safe (Std), Class 150 and 300 flanged end ball valves, uni-body design (Class 150 std. port), split body design (Classes 150 &amp; 300 full port), anti-static stem, actuator mounting pad</p>	<p>API 607 fire safe (Std) Class 150 and 300 flanged end ball valves, split body design, anti-static stem, ISO 5211 actuator mounting pad</p>
<p>Class 150 (-F1) 1/2" – 4" S.P. (DN 15 – 100) 1/2" – 6" F.P. (DN8 – 150) Class 300 (-F3) 1/2" – 6" F.P. (DN8 – 150)</p>	<p>1/2" – 10" S.P. (DN15 – 250) 1/2" – 8" F.P. (DN8 – 200)</p>	<p>1/2" – 10" S.P. (DN15 – 250) 1/2" – 8" F.P. (DN8 – 200)</p>
<p>Standard and Full Port</p>	<p>Standard and Full Port</p>	<p>Standard and Full Port</p>
<p>Up to 285 psi (ANSI Class 150) (Up to 19,6 bar) Up to 740 psi (ANSI Class 300) (Up to 51 bar)</p>	<p>Up to 285 psi (ANSI Class 150) (Up to 19,6 bar) Up to 740 psi (ANSI Class 300) (Up to 51 bar)</p>	<p>Up to 285 psi (ANSI Class 150) (Up to 19,6 bar) Up to 740 psi (ANSI Class 300) (Up to 51 bar)</p>
<p>-20 to +400°F (RPTFE seats) (-29 to +204°C)</p>	<p>-20 to +475°F (CRPTFE Seats) (-29 to +246°C)</p>	<p>-20 to +475°F (CRPTFE Seats) (-29 to +246°C)</p>
<p>Carbon and Stainless Steel</p>	<p>Carbon &amp; Stainless Steel, Alloys</p>	<p>Carbon &amp; Stainless Steel</p>
<p>Stainless Steel</p>	<p>Stainless Steel, Alloys</p>	<p>Stainless Steel</p>
<p>RPTFE (Std), PTFE, CRPTFE, UHMW-PE</p>	<p>RPTFE (Std), PTFE, CRPTFE, UHMW-PE, Kel-F*, CPEEK*  *Uni-body design valves only</p>	<p>RPTFE (Std), PTFE, CRPTFE, UHMW-PE</p>
<p>Class 150 RF &amp; Class 300 RF</p>	<p>Class 150 RF &amp; Class 300 RF, special end facings</p>	<p>Class 150 RF &amp; Class 300 RF</p>
<p>Seat &amp; packing materials, special service preparation, vented ball, steam jacket, limit switches, fusible link, gear operator, automation</p>	<p>Seat &amp; packing materials, alloys, NACE, vented ball, special service preparation, extended bonnet, locking device, limit switches, fusible link, gear operator, automation</p>	<p>Seat &amp; packing materials, NACE, API 6D, vented ball, drain tap, special service preparation, locking device, steam jacket, limit switches, fusible link, gear operator, automation</p>

## Three Way Ball Valves

Product Matrix For Marwin Ball Valves				
Model	3L/T2Q Series	3L/T2S33 Series	3T3100/3L3200 Series	3T3300/3L3400 Series
Key Features	3-way L or T port ball valve, 4 seated, bolted-on end caps anti-static stem, ISO 5211 actuator, mounting pad, locking handle	3-way L or T port, trunnion ball valve, 4 seated, bolted-on end caps, anti-static stem, ISO 5211 actuator mounting pad, locking handle	3-way brass bottom entry ball valve, 2-seated, T port transflow mixing valve (3T3100) or L port non-transflow diverting valve (3L3200), threaded-in end cap	3-way brass ball valve, 4 seated T port (3T3100) or L port (3L3200), threaded-in end caps, ISO 5211 direct mount actuator pad, locking handle
Sizes	3/8" – 1-1/2" (DN10 – 40)	2" – 6" (DN50 – 150)	1/4" – 3" (DN8 – 80)	1/4" – 2" (DN8 – 50)
Port	Full Port	Full Port	Full Port	Standard Port
Ball Port	L or T	L or T	L or T	L or T
Maximum Pressure	Up to 1000 psi (Up to 70 bar)	Up to 720 psi (Up to 50 bar)	Up to 300 psi (Up to 20 bar)	Up to 400 psi (Up to 30 bar)
Temperature Range	-20 to +400°F (-29 to +205°C)	-20 to +400°F (-29 to +205°C)	-20 to +400°F (-29 to +205°C)	-20 to +400°F (-29 to +205°C)
Body Materials	Stainless Steel (Q) Carbon Steel (P)	Stainless Steel (S) Carbon Steel (R)	Brass	Brass
Trim Materials	Stainless Steel	Stainless Steel	Brass	Brass
Seat Materials	RPTFE	RPTFE	PTFE	PTFE
End Connections	NPT (Std), ANSI Class 150 FE, ANSI Class 300 FE	ANSI Class 150 FE (Std), ANSI Class 300 FE, 2" NPT	NPT	NPT

			
<b>3T3700/3L3800 Series</b>	<b>3L/T3900 Series</b>	<b>3L8000 Series</b>	<b>3L9000 Series</b>
3-way standard port stainless steel ball valve, 4-seated T port (3T3700) or L port (3L3800), threaded-in end caps, ISO 5211 actuator mounting pad, locking handle	3-way, full port, stainless steel ball valve, 4 seated, L or T port, threaded-in end caps, ISO 5211 actuator mounting pad, locking handle	3-way, 2 seat, full port, L-port diverting ball valve, bolted end caps, ISO 5211 actuator mounting pad	3-way, 2 seat, standard port, larger size L-port diverting ball valve, threaded-in end caps, ISO 5211 actuator mounting pad
1/4" – 2" (DN8 – 50)	1/2", 1", 2" (DN15,25,50)	1/4" – 2-1/2" (DN8 – 65)	2-1/2" – 3" (DN65 – 80)
Standard Port	Full Port	Full Port	Standard Port
L or T	L or T	L	L
Up to 800 psi (Up to 30 bar)	Up to 800 psi (Up to 55 bar)	Up to 1000 psi (Up to 70 bar)	Up to 800 psi (Up to 55 bar)
-20 to +450°F (-29 to +235°C)	-20 to +450°F (-29 to +235°C)	-20 to +450°F (-29 to +235°C)	-20 to +450°F (-29 to +235°C)
Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
RPTFE	RPTFE/TFE	RPTFE/TFE	RPTFE/TFE
NPT	NPT	NPT (Std), SW, BWE	NPT

## Automation & Accessories



### UT Series Pneumatic Actuators

- Double Acting & Spring Return
- 11 Sizes – torque to 36,600 in-lb (DA) & 16,700 in-lb (SR) @ 80 psi air supply
- Center located externally adjustable stops
- -4 to +185°F operating temperature standard, lower & higher temperature versions available
- Rack and pinion design
- ISO 5211 valve mounting
- NEMUR accessory mounting



### ER Series Electric Actuators

- 11 sizes – torque to 14000 in-lb
- All common currents/voltages
- NEMA 4 & 7 enclosures
- Permanently lubricated reversing SPC motors controlled by cam-adjusted limit switches
- Heavy duty gears
- All common accessories available



### Fusible link spring return units

- Compound linkage
- Valve handle functional
- 5 melting temperatures – 135, 165, 212, 280 & 380°F
- Heavy duty spring assemblies
- 4 styles depending upon valve size and torque



### Solenoid Valves

- NEMUR or nipple mount
- 3-way or 4-way
- NEMA 4 or 7
- All common currents/voltages
- High Cv



### Valve Positioners

- Pneumatic or electro-pneumatic
- Used on pneumatic actuators
- Compares and adjusts valve position to input control signal



### Valve Feedback and Switches

- NEMA 4 or 7
- NEMUR mount
- Many switch options
- Sealed aluminum housing
- Visual indicator