

Product Matrix for Marwin Valves				
Model	4600 Series	8700 Series	KF8900 Series	4700 Series
Key Features	Brass 3-piece 600 WOG ball valve, swing-out de- sign, cost effective valve for common fluid control applications	3-piece 1000 WOG carbon or stainless steel 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 mount- ing pad, 25 Ra polished internal wetted surfaces, swing-out design	3-piece 2000/1000 WOG carbon or SS 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	1-1/4" - 3" S.P. (DN32 - 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 1000 psi (Up to 69 bar)	Up to 1000 psi (Up to 69 bar)	Up to 2000 psi (1/2"-2") Up to 1000 psi (2-1/2"-4")
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)
Steam Pressure	Up to 125 psi (Up to 8,6 bar)	Up to 225 psi (Up to 15,5 bar) (RPTFE seats)	Up to 75 psig (Up to 5,2 bar)	Up to 200 psi (13,8 bar) (RPTFE Seats) Up to 275 psi (20,0 bar) (CRPTFE Seats)
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	PTFE	RPTFE, PTFE, CRPTFE, 50% SSPTFE
End Connections	NPT, Solder	NPT, SWE	Clamp (Std), NPT	NPT, SWE
Options		Seat and packing materials, special service preparation, upstream vented ball, fusible link, gear operator, automation	Upstream vented ball, limit switches, automation	Seat & packing materials, special service prepara- tion, upstream vented ball, fusible link, gear operator, automation

3000 Series	10000 Series	CV3000 Series	MS3000 Series	MS10000 Series
High pressure valve with encapsulated seats (up to 4000 WOG), triple stem seal, dual body seals and individually bolted end caps, API 607 fire tested	Super high pressure valve with encapsulated seats (up to Class 2500/6000 WOG), 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, ex- tended 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", 3" x 2" (DN8 – 50, DN80 x 50)	1/2" – 4" S.P. (DN15 – 100) 1/4" – 3" F.P. (DN8 – 80)	1/4" - 2" (DN8 - 50)	1/4" – 2", 3" x 2" (DN8 – 50, DN80 x 50)
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 990 psi (Up to 69 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°C to +288°C)	-20° to 1000°F (-29° to +538°C)	-20° to +1000°F (-29° to +538°C)
Up to 450 psi (Up to 31 bar) (CPEEK Seats)	Up to 450 psi (Up to 31 bar) (CPEEK Seats)	Up to 450 psi (Up to 31 bar) (CPEEK Seats)	Up to 600 psi (Up to 41 bar) (Marwear W4 & W6 Seats)	Up to 1500 psi (Up to 103 bar) (Marwear W4 & W6 Seats)
WCB/A105, CF8M / 316SS, CF3M / 316L, Alloy 20, Bronze, Duplex, Hastelloy B and C, Monel, 254SMO, Titanium and other alloys			WCB / A105 CF8M / 316SS	
316SS, 316L SS, 17-4PH SS, Hastelloy C, Monel, or to match body alloy			316SS, 17-4PH SS	
PTFE, Glass-filled PTFE, Carbon-filled PTFE, UHMWPE, Kel-F, PFA, Delrin, PEEK, Carbon-filled PEEK, or to customer specification			316/Chrome Carbide, 316/Chrome Oxide, 316/Tungsten Carbide	
NPT, BSPT, Extended 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, chlorine prep., anhydrous ammonia service, extended bonnet, locking device, limit switch, NACE service, oxygen prep, fusible link, gear op., automation	Assemble dry, chlorine prep., NACE service, oxygen prep., extended bonnet, locking device, limit switch, gear op., automation	Characterized inserts available: round full flow; slotted linear control; 30°, 60°, 90°; V-slot and custom control slots, locking device, gear op., automation	Class IV, VI shut-off, double packing, locking device, automation	Class IV, VI shut-off, limit switches, gear op., automation
-3-				

Product Matrix for Marwin 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 0-ring energized Tef- lon seats for low torque, ISO 5211 direct mount actuator pad	2-piece 1000 WOG 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 – 500) 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 1000 psi (Up to 69 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)
Steam Pressure	Up to 125 psi (Up to 8,6 bar)	_	Up to 125 psig (Up to 8,6 bar)	_
Body Materials	Brass	Brass	Carbon and Stainless Steel	Stainless Steel
Trim Materials	Chrome Plated Brass (std), Stainless Steel	Chrome Plated Brass	Stainless Steel	Stainless Steel
Seat Materials	PTFE	PTFE	RPTFE	PTFE
End Connections	NPT, Solder	NPT	NPT	NPT,
Options	Stem & ball material, 3" extension stem, locking handle, safety vent	Automation	Limit switch, 3" extension stem	Automation



Product Matrix for Marwin Valves			
Model	2000 Series	5000/6000 Series	5801/6801 Series
Key Features	Cost effective Class 150 and 300 flanged end ball valves, uni-body design (Class 150 standard port), split body design (Class 150 & 300 full port), anti-static stem, ISO 5211 actuator mounting pad, locking handle	High performance API 607 fire safe, Class 150 and 300 flanged end ball valves, uni-body design (standard port), split body design (full port), anti-static stem, actuator mounting pad, available in special alloys and designs only	API 607 fire safe, Class 150 and 300 flanged end ball valves, split body design, anti-static stem, live loaded packing, ISO 5211 actuator mounting pad
Sizes	Class 150 (-F1) 1" - 4" S.P. (DN25 - 100) 1/2" - 6" F.P. (DN15 - 150) Class 300 (-F3) 1" - 6" F.P. (DN25 - 150)	1/2" – 10" S.P. (DN15 – 250) 1/2" – 8" F.P. (DN15 – 200)	1/2" – 10" S.P. 5801 Series (DN15 – 250) 1/2" – 8" F.P. 5801/6801 Series (DN15 – 200)
Port	Standard and Full Port	Standard and Full Port	Standard and Full Port
Maximum Pressure	Up to 285 psi (CL 150) (Up to 19,6 bar) Up to 740 psi (CL 300) (Up to 51 bar)	Up to 285 psi (CL 150) (Up to 19,6 bar) Up to 740 psi (CL 300) (Up to 51 bar)	Up to 285 psi (CL 150) (Up to 19,6 bar) Up to 740 psi (CL 300) (Up to 51 bar)
Temperature Range	-20° to +400°F (RPTFE Seats) (-29° to +204°C)	-20° to +475°F (CRPTFE Seats) (-29° to +246°C)	-20° to +475°F (CRPTFE Seats) (-29° to +246°C)
Steam Pressure Class 150	Up to 175 psi (Up to12,1 bar) (RPTFE Seats)	Up to 200 psi (Up to 13,8 bar) (RPTFE seats)	Up to 200 psi (13,8 bar) (RPTFE Seats) Up to 300 psi (21 bar) (CRPTFE Seats)
Steam Pressure Class 300	Up to 225 psi (15,5 bar) (RPTFE Seats) Up to 275 psi (19 bar) CRPTFE Seats	Up to 250 psi (17,2 bar) (RPTFE Seats) Up to 300 psi (21 bar) (CRPTFE Seats)	Up to 250 psi (17,2 bar) (RPTFE Seats) Up to 300 psi (21 bar) (CRPTFE Seats)
Body Materials	Carbon and Stainless Steel	WCB/A105, CF8M/316SS, CF3M/316L, Alloy 20, Bronze, Duplex, Hastelloy B & C, Monel, 254 SMO, Titanium & other alloys	Carbon and Stainless Steel
Trim Materials	Stainless Steel	316SS, 316L SS, 17-4PH SS, Hastelloy C, Monel, or match body alloy	Stainless Steel
Seat Materials	RPTFE (std.), PTFE, CRPTFE, UHMWPE	RPTFE (std.), PTFE, CRPTFE, UHMWPE, Kel-F (uni-body design), PEEK (uni-body design)	RPTFE (std.), PTFE, CRPTFE, UHMWPE
End Connections	Class 150 RF & Class 300 RF	Class 150 RF & Class 300 RF special facings	Class 150 RF & Class 300 RF
Options	Seat & packing materials, special service preparation, vented ball, steam jacket, limit switches, gear operator, automation	Seat & packing materials, flange facings, alloys, NACE, vented ball, special service preparation, locking device, limit switches, fusible link, gear operator, automation	Seat & packing materials, NACE, vented ball, drain tap, special service preparation, locking device, steam jacket, limit switches, fusible link, gear operator, automation

UT Series Pneumatic Actuators

- Double Acting & Spring Return
- 12 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 and higher temperature versions available
- · Rack and pinion design
- · ISO 5211 valve mounting
- · NAMUR accessory mounting

Fusible Link Spring Return Units

- · Compound linkage
- · Valve handle functional
- 5 link yield temperatures 135, 165, 212, 280, & 380°F
- Heavy duty spring assemblies
- 4 styles depending upon valve size and torque
- · for fire-tested valves

Valve Positioners

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



ER Series Electric Actuators

- 13 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 options available



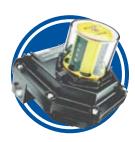
Solenoid Valves

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



Valve Feedback and Switches

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



To learn more about Marwin Valve products and to find the name of a local representative visit: www.marwinvalve.com



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Key markets include: water resources, oil & gas, refining, petrochemical, chemical and power. Other sectors include: paper products, tire and rubber, machinery and electrical equipment, transportation equipment and power generation.