

NELES® Brand On/Off Valves





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The proven design of NELES on/off valves enables them to be used in the most demanding applications. Thanks to a wide material and seat design selection, it is easy to choose a suitable design combination to meet your valve specification. NELES on/off valves are used in standard and severe service applications in many industries, including Pulp & Paper, Refining, Petrochemical, Chemical, Air Separation, Power, and Mining.

X-Series Ball Valves

Series: XA, XB, XC, XU, XT, XG, XM	Description	Design	Service	Size	Pressure Class & Temperature Range	Leakage Rate / Flow	Standard Body Materials
	Metal seated ball valve designed to fulfill the requirements of the chemical, petrochemical and refining industries.	Flanged Full or Reduced Bore Metal or Soft Seats Seat Supported (XA, XB, XC, XU, XT) Trunnion (XM, XG)	General	1" – 16" (DN 25 – 400)	ASME 150 – 300 (PN 10 – 100) ASME 600 (PN 100) (XU) -320 – +1110°F (-200 – +600°C)	Class V – VI 105 – 39800 Cv	CF8M WCB
Technical Bulletin: XA/XT – 1X20, XB/XC – 1X21, XU – 1X23, XM/XG – 1X22							

M-Series Ball Valves

Series: M2	Description	Design	Service	Size	Pressure Class & Temperature Range	Leakage Rate / Flow	Standard Body Materials
	Metal seated ball valve ideal for demanding high-cycle pulp and paper applications.	Flanged Full Bore Metal or Soft Seats	General in Pulp & Paper Industry	1" – 16" (DN 25 – 400)	ASME 150 – 300 (PN 10 – 40) -60 – +480°F (-50 – +250°C)	Class V – VI 105 – 39800 Cv	CF8M
Technical Bulletin: 1M220							

D-Series Ball Valves

Series: D2C, D2D, D1F	Description	Design	Service	Size	Pressure Class & Temperature Range	Leakage Rate / Flow	Standard Body Materials
	Quarter turn valves that can be used for shut-off and throttling service with high pressure differentials. Main benefits are very high range-ability, suitability for fibrous and impure fluids, excellent and durable tightness.	Flanged Full or Reduced Port Stemball® Construction	Demanding Applications	D1F: 2" – 24" (DN 50 – 600) D2: 4" – 36" (DN 100 – 900)	ASME 150 – 600 (PN 10 – 100) -320 – +1110°F (-200 – +600°C)	Class V – VI 4800 – 192000 Cv	CF8M WCB
	Technical Bulletin: 1D20						

NELDISC® Butterfly Valves

Series: L1/L2, L6, LW & LG	Description	Design	Service	Size	Pressure Class & Temperature Range	Leakage Rate / Flow	Standard Body Materials
	Metal seated, high performance butterfly valves specially designed to fulfill the requirements of the chemical, petrochemical, refining and pulp and paper industries.	Wafer Lugged Double Flanged	General Moderate	3" – 80" (DN 80 – 2000)	ASME 150 – 600 (PN 10 – 100) -320 – +1110°F (-200 – +600°C)	Class V – VI 110 – 104000 Cv	CF8M WCB
	Technical Bulletin: L1/L2 – 2L121, L6 – 2L621, LW & LG – 2LW21						

S-Series Ball Valves

Series: S6/S5	Description	Design	Service	Size	Pressure Class & Temperature Range	Leakage Rate / Flow	Standard Body Materials
	Ball valve suited for critical applications for abrasive and/or corrosive media, extreme temperatures and pressures for petroleum refining, chemical, power, mining and general industrial applications.	Ball Full or Reduced Bore Metal or Soft Seats	Severe Service	1/2" – 12" (DN 10 – 300)	ANSI 300 – 4500	Class V – VI 25 – 22400 Cv	WCB CF8M C5 C12 Adaptable to bar stock availability
	Technical Bulletin: 1S6S5EN						

S-Series Ball Valves

Series: S7	Description	Design	Service	Size	Pressure Class & Temperature Range	Leakage Rate / Flow	Standard Body Materials
	Full-port metal seated ANSI 600 ball valve for severe service applications.	Ball Full Port	Severe Service	6" – 16" (DN 150 – 400)	ANSI 600	Class V – VI	WCB CF8M C5 C12
	Technical Bulletin: 1S720						

Coker Valves

Series: Y4	Description	Design	Service	Size	Pressure Class & Temperature Range	Leakage Rate / Flow	Standard Body Materials
	Full-port 4-way switching valve capable of handling severe services and temperatures to 1000°F. Uniquely designed for delayed coker service, where the switching operation is essential to keep the process flowing.	Ball Flanged Purge Connections	Delayed Coker	8" – 16" (DN 200 – 400)	ANSI 300 – 900 Up to 1000°F (Up to 538°C)	MSS SP-72, 1970; gas test at 80 psig 3405 – 8873 Cv	C5 C12
	Technical Bulletin: 8Y420						

Coker Valves

Series: MBV	Description	Design	Service	Size	Pressure Class & Temperature Range	Leakage Rate / Flow	Standard Body Materials
	Metal-seated ball valves suitable for a wide range of applications in both on/off and control service.	Flanged Full Bore Metal Seats Flanged Purge Connections	Delayed Coker	6" – 36" (DN 150 – 900)	ANSI 300 – 600 -20 – 1000°F	Class V 105 – 22400 Cv	C5 C12
	Technical Bulletin: 1MBV29						

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