

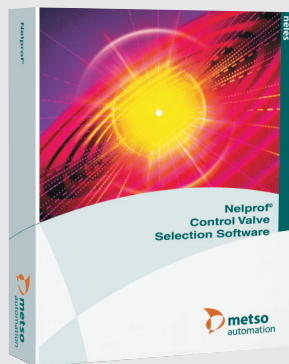
NELES® Brand Control Valves





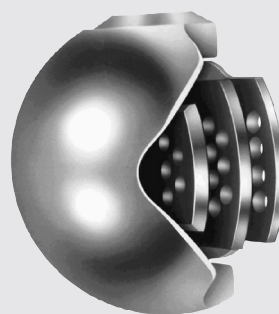
NELES Brand Control Valves

To help optimize your process performance and reliability, Metso approaches each process and application as a specific challenge. NELES control valves are engineered to meet these challenges. They provide innovative yet simple construction with operation and maintenance features that optimize process performance at the lowest cost of operation.



NELPROF®

NELPROF control valve sizing and selection software allows you to select the right Metso control valve for each application. NELPROF guides you through the selection process complete with notes and warnings. You can analyze and compare valve performance before installation and choose the right valve size and type to reduce process variability and ensure the best process performance.



Q-Ball Quiet Metal Seated Control Valves

Q-Ball control valves offer a unique concept of noise abatement, cavitation control and excellent control properties combined with very large flow capacity. The Q-Ball provides noise reduction of up to 18 dB (A) when compared to normal valves. The design is simple and effective. The flow opening features parallel perforated plates that stage the pressure drop as the flow passes through. This flow treatment reduces velocities, noise generation and cavitation.

Series: LW & LG	Description	Design	Service	Size	Pressure Class & Temperature Range	Leakage Rate / Flow	Standard Body Materials
	High-performance butterfly valves that provide superior performance for control of fluids and gasses in larger pipelines.	Wafer Lugged	General Severe	3" – 16" (DN 80 – 400)	ASME 150 – 300 (PN 10 – 50) -320 – +1110°F (-200 – +600°C)	Class V – VI 245 – 13700 Cv	CF8M WCB
Technical Bulletin: 2LW20							

Series: L1 & L2	Description	Design	Service	Size	Pressure Class & Temperature Range	Leakage Rate / Flow	Standard Body Materials
	High-performance butterfly valves that provide superior performance for control of fluids and gasses in larger pipelines.	Wafer Lugged	General Severe	18" – 48" (DN 450 – 1200)	ASME 150 – 300 (PN 10 – 50) -320 – +1110°F (-200 – +600°C)	Class V – VI 9100 – 116000 Cv	CF8M WCB
Technical Bulletin: 2L121							

Series: L6	Description	Design	Service	Size	Pressure Class & Temperature Range	Leakage Rate / Flow	Standard Body Materials
	High-performance butterfly valves that provide superior performance for control of fluids and gasses in larger pipelines.	Double Flanged	General Severe	4" – 80" (DN 100 – 2000)	ASME 150 – 600 (PN 10 – 100) -320 – +1110°F (-200 – +600°C)	Class V – VI 180 – 185000 Cv	CF8M WCB
Technical Bulletin: 2L621							

Series: ZX	Description	Design	Service	Size	Pressure Class & Temperature Range	Leakage Rate / Flow	Standard Body Materials
	Revolutionary new control valve, which combines the best features of proven linear and rotary valve technologies.	Flanged	General Severe	1/2" – 2" (DN 15 – 50)	ASME 150 – 1500 (PN 10 – 250) -110 – +800°F (-80 – +425°C)	Class IV 0.1 – 31 Cv	CF8M WCC
Technical Bulletin: 1RG20							

Series: FC, FG, FL	Description	Design	Service	Size	Pressure Class & Temperature Range	Leakage Rate / Flow	Standard Body Materials
	Economical high-performance eccentric plug control valves that are designed to provide the best possible control accuracy and wide rangeability with all the inherent benefits of rotary control valves.	Flanged	General Severe	1" – 10" (DN 25 – 250)	ASME 150 – 600 (PN 10 – 100) -320 – +800°F (-200 – +425°C)	Class IV 0.5 – 1540 Cv	CF8M WCC
	Technical Bulletin: FC, FG – 5FT20, FL – 5FT22						

Series: RE, RE1	Description	Design	Service	Size	Pressure Class & Temperature Range	Leakage Rate / Flow	Standard Body Materials
	Economical high-performance control valves in a quarter-turn design.	Wafer Flanged	General	1" – 28" (DN 25 – 700)	ASME 150 – 300 (PN 10 – 40) -40 – +480°F (-40 – +250°C)	Class IV – 1/10th Class IV 0.5 – 25300 Cv	CG8M WCB
Technical Bulletin: 3R25							

Series: T5	Description	Design	Service	Size	Pressure Class & Temperature Range	Leakage Rate / Flow	Standard Body Materials
	Heavy-duty rotary control valves for demanding applications such as crude oil, hot residual oil, LPG and other hydrocarbon, natural gas, ethylene, synthesis gas and hydrocarbon vapors under medium and high pressure.	Reduced Port Flanged Weld-End	Heavy Duty	1" – 16" (DN 25 – 400)	ASME 150 – 600 (PN 10 – 100) -320 – +1110°F (-200 – +600°C)	Class V – VI 0.5 – 15200 Cv	CF8M WCB
	Technical Bulletin: 1T520						

Series: E2, E6	Description	Design	Service	Size	Pressure Class & Temperature Range	Leakage Rate / Flow	Standard Body Materials
	Ceramic ball valves that are among the most erosion-resistant control valves available today. Used in abrasive applications such as lime mud, metal slurries, titanium dioxide and cement production.	Reduced Port Wafer Lugged	Erosive Applications	1" – 6" (DN 25 – 150)	ASME 150 – 300 (PN 10 – 40) -40 – +840°F (-40 – +450°C)	Class IV 5 – 1530 Cv	Zirconia Ceramic
Technical Bulletin: 1E220							

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