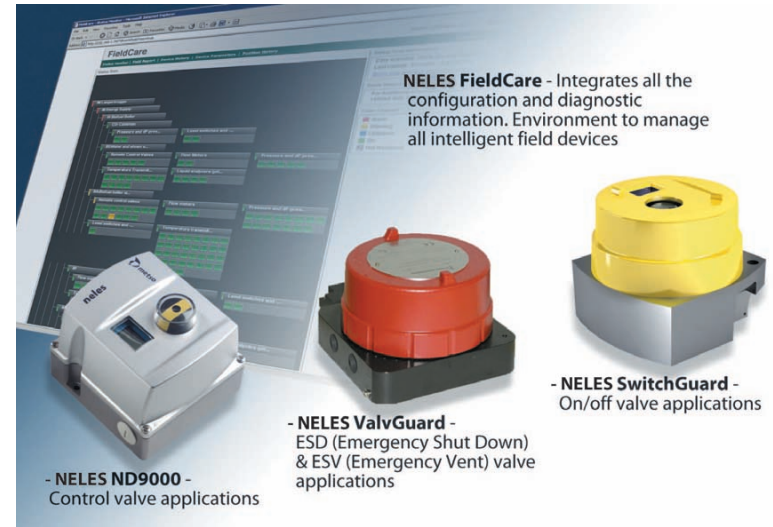
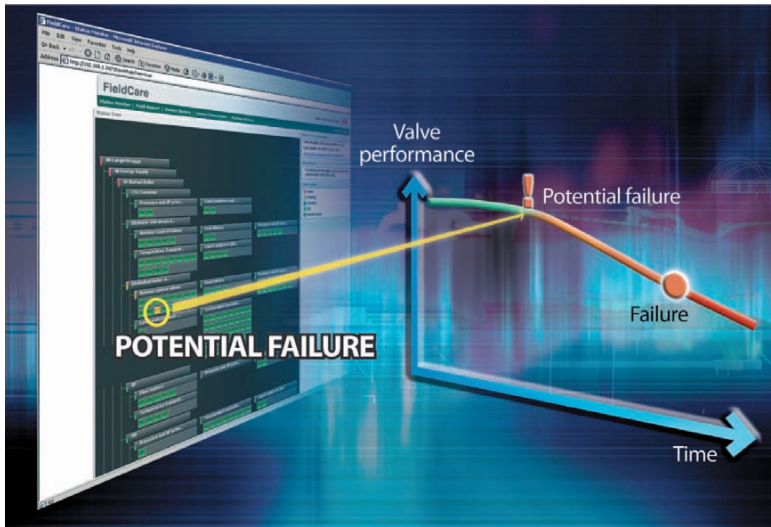


NELES® Brand
Actuators
& Intelligent Devices





NELES Brand

Actuators, Controllers & Positioners

To help optimize your process performance and reliability, Metso approaches each process and application as a specific challenge. NELES control valves and intelligent devices 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.

B-Series Actuator

Series: B1C, B1J	Description	Type	Action	Temperature Range	Input	Output	Options
	Actuator	Pneumatic Cylinder Rotary	Double Acting (B1C) Spring Return (B1J)	-40 – +250°F (-40 – +120°C)	40 – 145 psi (2.8 – 10 bar)	30 – 75630 ft-lbs (40 – 102710 Nm)	Overrides Lockout Devices High-Cycle Fire Protection Fast-Strokeing
	Technical Bulletin: 6B20						

QUADRA-POWER® X Actuator

Series: QPX	Description	Type	Action	Temperature Range	Input	Output	Options
	Actuator	Spring-Diaphragm Rotary	Spring Return	-20 – +150°F (-29 – +66°C)	20 – 100 psi (1.3 – 7 bar)	11 – 743 ft-lbs (15 – 1008 Nm)	Overrides Travel Stops Lockout Devices
	Technical Bulletin: A110-4						

Pneumatic Positioner

Series: NP700	Description	Type	Ambient Temperature	Input	Split Range	Vibration Effect
	Positioner	Pneumatic	-40 – +200°F (-40 – +93°C)	3 – 15 psi (0.2 – 1 bar) 20 – 100 kPa	3 – 9 psig/ 9 – 15 psig (0.2 – 0.6 bar/ 0.6 – 1 bar)	< 1%
	Technical Bulletin: 7NENP20					

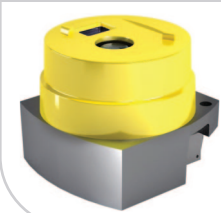
Electropneumatic Positioner

Series: NE700	Description	Type	Ambient Temperature	Input	Split Range	Vibration Effect
	Positioner	Electropneumatic	-15 – +185°F (-26 – +85°C)	4 – 20 mA 0 – 20 mA	4 – 12 mA 12 – 20 mA	< 1%
	Technical Bulletin: 7NENP20					

ND9000 Positioner

Series: ND9100, ND9200, ND9300	Description	Enclosure	Communication	Input	Temperature Range
	Intelligent Control Positioner	Std IP66/NEMA 4x (ND9100) Flameproof (ND9200) Stainless Steel Flameproof (ND9300)	HART	4 – 20 mA	-40 – +185°F (-40 – +85°C)
			Fieldbus Foundation™ Profibus PA	9 – 32 VDC	
Technical Bulletin: 7ND9120EN, 7ND9220EN, 7ND9320EN					

SwitchGuard Controller

Series: SG9200H	Description	Enclosure	Communication	Input	Temperature Range
	Intelligent On/Off Positioner	Std IP66/NEMA 4x Intrinsically Safe Flameproof	HART	4 – 20 mA	-40 – +185°F (-40 – +85°C)
Technical Bulletin: 7SG20					

ValvGuard Controller

Series: VG800, VG9000F	Description	Enclosure	Communication	Input	Temperature Range
	Intelligent Emergency Valve Controller with Automated Partial Stroke Testing System	Std IP66/NEMA 4x Intrinsically Safe Flameproof	HART (VG800)	2 Wire 0/24 VDC	-40 – +185°F (-40 – +85°C)
			Fieldbus Foundation™ (VG9000F)	4 Wire Safety Signal: 24 VDC FF: 9 – 32 VDC	
	Technical Bulletin: 9VG20, 9VG/B20, 9VG920				

FieldCare Software

Series: FieldCare	Description	Features	Version	Communication
	Device Management & Condition Monitoring with FDT/DTM Technology	Point to Point Device Connection	Lite	HART Profibus Fieldbus Foundation™
		Networked Device Connection	Standard	
		Networked Device Connection with Automatic Online Condition Monitoring	Professional	
	Technical Bulletin: 9FC20			

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