

High-performance solutions for a wide range of industries

Neles Easyflow™





The right valve for the job

Valmet's Neles Easyflow solutions offer a complete suite of flow control solutions designed for easy creation of reliable, high-performance automated valve assemblies. We developed them to be compatible with a wide range of industrial applications, so you can integrate and automate them easily.

The entire product range has been designed to be easy. It consists of ready-to-use valves, actuators, limit switches and solenoid valves, all with common standard options included, making for easy specification and selection. All components of the valve assembly are designed to fit and work perfectly together, and actuators can be directly mounted to the valves without mounting kits.

Our offering is extremely competitive. Neles Easyflow products are pre-engineered for high performance and reliability. They make automation of valve assemblies extremely easy. This extension to the Valmet product offering helps our customers meet their needs better in a range of industrial applications.



The easy choice

- Easy to specify and order
- Easy to install and use
- Suitable for use in a wide range of industries
- Reliable performance in all general industrial flow control applications
- Peace-of-mind with high-quality services and customer support

Complete suite of products

- Comprehensive range of products
- Compatible pre-engineered designs with easy integration
- Meet common industry standards
- Easy to specify, order, install and service

Neles quality

- Complements and expands the Valmet portfolio
- Backed by high-quality services and customer support
- Based on dedication, expertise and a customer-centric approach

Delivering added value

Our Neles Easyflow solutions are an integrated suite of products that deliver reliability, high performance and optimum life cycle costs.

Ball valves

- Compliance with standards
- Extended lifecycle
- Easy installation and actuator mounting
- Easy service and maintenance
- Rugged body design



Butterfly valves

- Improved reliability
- Extended lifecycle
- Low torque
- Easy installation and actuator mounting
- Easy service and maintenance



Rack and pinion actuators

- Double piston rack and pinion construction
- Compact and modular design
- Wide product range – economical sizing
- Long cycle life
- Safe design



Manual valve gears

- Suitable for quarter turn valves
- High-efficiency self-locking gears
- Fully enclosed and weather proof with IP65 rating
- Easy to install and operate
- Low maintenance



Linear actuators pneumatic cylinders

- Available in 4 series AC, CC, SC and SN series
- Bare cylinders and power cylinders versions
- SC and SN series according to ISO 15552 and VDMA 24562
- Wide range of bore diameter and stroke lengths available
- Easy service maintenance
- Operating pressure range 1 – 10 bar
- Cushioning adjustable at both ends
- IP 66 M and IP 67 M certified



Limit switches

- For all weather conditions
- Easy installation
- Fast commissioning
- Secure wiring
- Choice of sensors





Solenoid and air operated valves


- Compact design
- Special seal for long life
- Solenoid capable of turning 360 degrees
- High performance valves in a sturdy metal housing
- Extensive operating voltage range from 12 VDC to 230 VAC




Ball valves

Ball valves						
Product	Series	Design	Specifications		Service	Bulletin
Neles Easyflow flanged ball valves 	J7-series	Reduced bore flanged floating ball valve	Sizes: DN15 – 200 (NPS ½ – 8) Pressure: ASME Class 150 or 300 Temperature: -29 °C to +200 °C Body: WCB carbon steel, CF8M stainless steel Seat/seal: TFM™ 1600 / Graphite Leakage: No visible leakage		Water and waste water, mining, HVAC, pulp & paper, chemicals and petrochemicals, food and beverage, pharmaceutical	B135-1
Neles Easyflow flanged ball valves 	J9-series	Full bore flanged floating ball valve	Sizes: DN15 – 200 (NPS ½ – 8) Pressure: ASME Class 150 or 300 Temperature: -29 °C to +200 °C Body: WCB carbon steel, CF8M stainless steel Seat/seal: TFM™ 1600 / Graphite Leakage: No visible leakage		Water and waste water, mining, HVAC, pulp & paper, chemicals and petrochemicals, food and beverage, pharmaceutical	B136-1
Neles Easyflow floating ball valves 	J4-series	Screwed, socket and butt weld end floating ball valve	Sizes: DN15 – DN50 (NPS ½ – 2) Pressure: ASME Class 800 Temperature: -29 °C to +200 °C Body: WCB carbon steel, CF8M stainless steel Seat/seal: TFM™ 1600 / Graphite Leakage: No visible leakage		Water and waste water, mining, HVAC, pulp & paper, chemicals and petrochemicals, food and beverage, pharmaceutical	B137-1
Neles Easyflow angle stem tank bottom valves 	JT-series	Angle stem tank bottom ball valve	Sizes: DN25 – DN150 (NPS 1 – 6) Pressure: ASME Class 150 Temperature: -29 °C to +200 °C Body: WCB carbon steel, CF8M stainless steel Seat/seal: TFM™ 1600 / Graphite Leakage: No visible leakage		Pharmaceutical, biotech, chemical, cosmetic, food	B134-1
Neles Easyflow flanged ball valves 	J9S-series	Jacketed floating ball valve	Sizes: DN25 – DN100 (NPS 1 – 4) Pressure: ASME Class 150 Temperature: -29 °C to +200 °C Body: WCB carbon steel, CF8M stainless steel Seat/seal: TFM™ 1600 / Graphite Leakage: No visible leakage		Chemical and petrochemicals, pulp & paper, food and beverage, pharmaceutical	B136-2


Butterfly valves

Butterfly valves						
Product	Series	Design	Specifications		Service	Bulletin
Neles Easyflow butterfly valves 	JA-series	Resilient seated butterfly valves	Sizes: DN50 – DN600 (NPS 2 – 24) Pressure: PN10, PN16, Class 150 Temperature: -30 °C to +200 °C Body: GGG40 ductile iron, GG25 cast iron, WCB carbon steel, CF8M stainless steel Seat/seal: Ethylene-Propylene (EPDM), Nitrile (Buna-N, NBR), Fluorocarbon (FKM), Silicone (VMQ), White Ethylene-Propylene, Hydrogenated Nitrile (HNBR) Leakage: No visible leakage		Water and waste water, sewage treatment, mining and other slurries, fuel oil and gas, cooling or chilled water circuits, desalination, HVAC, cement and other fine powders, mild corrosive chemicals and petrochemical	W152-1



Rack and pinion actuators

Rack and pinion actuators					
Product	Series	Design	Specifications		Bulletin
Neles Easyflow pneumatic actuators 	RNP-series	Rack and pinion actuator	Action: Spring return and double acting Pressure: 8 bar (Operating pressure), 12 bar (Design pressure) Torque: 4 Nm to 5005 Nm Temperature: Temperature: -25 °C to +85 °C High : -20 °C to +125 °C Arctic : -60 °C to + 80 °C		A112-1


Manual actuators

Manual actuators					
Product	Series	Design	Specifications		Bulletin
Neles Easyflow manual valve gears 	MEG-series	Manual gear operator	Action: Handwheel Recommended input: 25– 152 Nm / 18 – 134 ft-lb. Torque output: Up to 8500 Nm		A400-1

Piston-barrel linear actuators

Linear cylinder actuators				
Product	Series	Design	Specifications	Bulletin
Neles Easyflow linear cylinder actuators 	AC-series	Pneumatic piston-barrel type linear actuator	Version: Double acting, for single acting versions contact manufacturer Pressure: Max. 10 bar Force: 453 N to 96220 N Temperature: -20 to +80 °C, for high & low temp. version, consult factory	A300-4
Neles Easyflow linear cylinder actuators 	CC-series	Pneumatic piston-barrel type linear actuator	Version: Double acting, for single acting versions contact manufacturer Pressure: Max. 10 bar Force: 3016 N to 96220 N Temperature: -20 to +80 °C, for high & low temp. version, consult factory	A300-2
Neles Easyflow linear cylinder actuators 	SC-series	Pneumatic piston-barrel type linear actuator	Version: Double acting, for single acting versions contact manufacturer Pressure: Max. 10 bar Force: 69 N to 7850 N Temperature: -20 to +80 °C, for high & low temp. version, consult factory Mounting: ISO 15552, VDMA 24562	A300-3
Neles Easyflow linear cylinder actuators 	SN-series	Pneumatic piston-barrel type linear actuator	Version: Double acting, for single acting versions contact manufacturer Pressure: Max. 10 bar Force: 1147 N to 20107 N Temperature: -20 to +80 °C, for high & low temp. version, consult factory Mounting: ISO 15552, VDMA 24562	A300-1


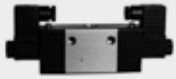


Limit switches

Limit switches				
Product	Series	Design	Specifications	Bulletin
Neles Easyflow K-series limit switches 	KS-series	Standard housing	Switch type: Inductive mechanical reed type Temperature: General: -20 °C to +80 °C Cold: -40 °C to +80 °C High: -20 °C to +100 °C	S100-1
	KC-series	compact housing		



Solenoid valves

Spool type solenoid valves							
Product	Design	Model	Orifice	Flow factor (kv)	Port	Specifications	Bulletin
Neles Easyflow 3/2 way spool type solenoid valve 	Single coil, spring return direction control valve	DSQ113	3 mm	4 L / min	1/8"	Pressure: 2 – 10 bar Temperature: -20 to +80 °C	S150-7
		DSQ213	4.5 mm	7 L / min	1/4"		
Neles Easyflow 3/2 way spool type solenoid valve 	Double coil, direction control valve	DSQ114	3 mm	4 L / min	1/8"	Pressure: 2 – 10 bar Temperature: -20 to +80 °C	
		DSQ214	4.5 mm	7 L / min	1/4"		
Neles Easyflow 5/2 way spool type solenoid valve 	Single coil, spring return direction control valve	VSQ113	3 mm	4 L / min	1/8"	Pressure: 2 – 10 bar Temperature: -20 to +80 °C	
		VSQ213	4.5 mm	7 L / min	1/4"		
Neles Easyflow 5/2 way spool type solenoid valve 	Double coil, direction control valve	VSQ114	3 mm	4 L / min	1/8"	Pressure: 2 – 10 bar Temperature: -20 to +80 °C	
		VSQ214	4.5 mm	7 L / min	1/4"		

High capacity solenoid valves

High capacity solenoid valves							
Product	Design	Model	Orifice	Flow factor (kv)	Port	Specifications	Bulletin
Neles Easyflow 3/2 way solenoid valves 	Spool design, single coil, spring & air return direction control valve	DAQ213	6.7 mm	15 L / min	¼"	Pressure: 3 – 10 bar Temperature: -20 to +80 °C	S150-1
		DAQ313	10 mm	38 L / min	⅜"		
		DAQ413	10 mm	38 L / min	½"		
Neles Easyflow 3/2 way solenoid valves 	Spool design, double coil, direction control valve	DAQ214	6.7 mm	15 L / min	¼"	Pressure: 3 – 10 bar Temperature: -20 to +80 °C	
		DAQ314	10 mm	38 L / min	⅜"		
		DAQ414	10 mm	38 L / min	½"		
Neles Easyflow 5/2 way solenoid valves 	Spool design double coil, direction control valve	VAQ213	6.7 mm	15 L / min	¼"	Pressure: 3 – 10 bar Temperature: -20 to +80 °C	
		VAQ313	10 mm	38 L / min	⅜"		
		VAQ413	10 mm	38 L / min	½"		
Neles Easyflow 5/2 way solenoid valves 	Spool design, single coil, spring & air return direction control valve	VAQ214	6.7 mm	15 L / min	¼"	Pressure: 3 – 10 bar Temperature: -20 to +80 °C	
		VAQ314	10 mm	38 L / min	⅜"		
		VAQ414	10 mm	38 L / min	½"		

Namur solenoid valves

Namur solenoid valves				
Product	Design	Model	Specifications	Bulletin
Neles Easyflow 5/2 and 3/2 way Namur solenoid valve 	Convertible, single coil spring return direction control valve	VAQNC-213	Port: ¼" Pressure: 2-10 bar Temperature: -20 to +80 °C	S150-5
	Convertible, double coil direction control valve	VAQNC-214		
Neles Easyflow 5/2 and 3/2 way Namur solenoid valve 	Convertible, single coil spring return direction control valve with flow control	VAQNCFC-213	Port: ¼" Pressure: 2-10 bar Temperature: -20 to +80 °C	S150-8
	Convertible, double coil direction control valve with flow control	VAQNCFC-214		



Air operated spool valves

Air operated spool valves							
Product	Design	Model	Orifice	Flow factor (kv)	Port	Specifications	Bulletin
Neles Easyflow 3/2 way spool valve 	Spool design, single external pilot operated spring return valve	DAQ210	6.7 mm	15 L / min	¼"	Pressure: 0 – 10 bar Temperature: -10 to +70 °C	S150-2
		DAQ310	10 mm	38 L / min	⅜"		
		DAQ410	10 mm	38 L / min	½"		
		DAQ610	16 mm	75 L / min	¾"		
		DAQ810	20 mm	110 L / min	1"		
Neles Easyflow 3/2 way spool valve 	Spool design, dual external pilot operated valve	DAQ211	6.7 mm	15 L / min	¼"	Pressure: 0 – 10 bar Temperature: -10 to +70 °C	
		DAQ311	10 mm	38 L / min	⅜"		
		DAQ414	10 mm	38 L / min	½"		
		DAQ611	16 mm	75 L / min	¾"		
		DAQ811	20 mm	110 L / min	1"		
Neles Easyflow 5/2 way spool valve 	Spool design, single external pilot operated spring return valve	VAQ210	6.7 mm	15 L / min	¼"	Pressure: 0 – 10 bar Temperature: -10 to +70 °C	
		VAQ310	10 mm	38 L / min	⅜"		
		VAQ410	10 mm	38 L / min	½"		
		VAQ610	16 mm	75 L / min	¾"		
		VAQ810	20 mm	110 L / min	1"		
Neles Easyflow 5/2 way spool valve 	Spool design, dual external pilot operated valve	VAQ211	6.7 mm	15 L / min	¼"	Pressure: 2 – 10 bar Temperature: -20 to +80 °C	
		VAQ311	10 mm	38 L / min	⅜"		
		VAQ411	10 mm	38 L / min	½"		
		VAQ611	16 mm	75 L / min	¾"		
		VAQ811	20 mm	110 L / min	1"		



Hand operated valves

Hand operated valves						
Product	Design	Model	Orifice	Flow factor (kv)	Specifications	Bulletin
Neles Easyflow 3/2 way hand operated spool valve 	Spool design, hand operated direction control valve, manual return	DAQ204	6.7 mm	15 L / min	Pressure: 0 – 10 bar Temperature: -10 to +70 °C	S150-6
		DAQ404	10 mm	38 L / min		
Neles Easyflow 3/2 way hand operated spool valve 	Spool design, hand operated direction control valve, spring return	DAQ205	6.7 mm	15 L / min	Pressure: 0 – 10 bar Temperature: -10 to +70 °C	
		DAQ405	10 mm	38 L / min		
Neles Easyflow 5/2 way hand operated spool valve 	Spool design, hand operated direction control valve, manual return	VAQ204	6.7 mm	15 L / min	Pressure: 0 – 10 bar Temperature: -10 to +70 °C	
		VAQ404	10 mm	38 L / min		
Neles Easyflow 5/2 way hand operated spool valve 	Spool design, hand operated direction control valve, spring return	VAQ205	6.7 mm	15 L / min	Pressure: 0 – 10 bar Temperature: -10 to +70 °C	
		VAQ405	10 mm	38 L / min		

Pneumatic lock relays

Pneumatic lock relays				
Product	Design	Model	Specifications	Bulletin
Neles Easyflow 3/2 way spool valve 	Spool design air lock relay with manual override	ALRQ-3-2	Pressure: 0 – 10 bar Pilot pressure: 3 – 10 bar Temperature: -10 to +70 °C	S150-3
		ALRQ-3-4		
Neles Easyflow 5/2 way spool valve 	Spool design air lock relay with manual override	ALRQ-5-2	Pressure: 0 – 10 bar Pilot pressure: 3 – 10 bar Temperature: -10 to +70 °C	
		ALRQ-5-4		

Pneumatic pressure switches

Pneumatic pressure switches				
Product	Design	Model	Specifications	Bulletin
Neles Easyflow 3/2 way pressure switch 	Spool design sensitive air lock relay	SENALRQ-3-2	Pressure: 0 – 10 bar Pilot pressure: 2 – 10 bar Temperature: -10 to +70 °C	S150-4
		SENALRQ-3-4		
Neles Easyflow 5/2 way pressure switch 	Spool design air lock relay with manual override	SENALRQ-5-2	Pressure: 0 – 10 bar Pilot pressure: 2 – 10 bar Temperature: -10 to +70 °C	
		SENALRQ-5-4		



Valmet's professionals around the world work close to our customers and are committed to moving our customers' performance forward – every day.

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