

**Edition 2025**

**PQ Hydraulic.  
Product Brochure.  
Hydraulic Components and Other Valves.**

**Hydraulic Valves.  
Directional Control Valves.  
Solenoid Valves.  
Flow Control Valves.  
Hydraulic Power Units.**

## General Information About the Valve



### Technical Specifications – 35L Valve Group

**Flow Capacity:**

35 L/min (Nominal)

50 L/min (Maximum)

**Spool Types:** 1 Spool: Double Acting, Single Acting, Closed Center, Engine Spool.

**A-B Ports:** Standard: 3/8", Optional: 1/2", M18x1.5.

**Front Cap Options:** Handle, Remote Cable Control, Lock Handle.

**End Cap Options:** Spring-Detent, Wood Splitter, Pneumatic, Proportional Coil, Remote Cable Control.

### Technical Specifications – 45L Valve Group

**Flow Capacity:**

45 L/min (Nominal)

65 L/min (Maximum)

**Spool Types:** 1 to 7 Sections: Double, Single, Closed Center, Motor, Floating, Regenerative.

**A-B Ports:** Standard: 3/8", Optional: 1/2", M18x1.5.

**Front Cap Options:** Handle, Mechanical Joystick, Hydraulic Joystick, Remote Cable Control, Lock Handle.

**End Cap Options:** Spring, Detent, Floating, Wood Splitter, Pneumatic, Proportional Coil, Hydraulic Control, Electro-Hydraulic, Remote Cable Control.



### Technical Specifications – 46L Valve Group

**Flow Capacity:**

46 L/min (Nominal)

65 L/min (Maximum)

**Spool Types:** 1 to 6 Spools: Double Acting, Single Acting, Closed Center, Engine Spool.

**A-B Ports:** Standard: 1/2", Optional: 3/8", M18x1.5.

**Front Cap Options:** Handle, Remote Cable Control, Lock Handle.

**End Cap Options:** Spring-Detent, Wood Splitter, Pneumatic, Proportional Coil, Remote Cable Control.





### Technical Specifications – 90L Valve Group

**Flow Capacity:**

90 L/min (Nominal)

100 L/min (Maximum)

**Spool Types:** 1 to 6 Sections: Double, Single, Closed Center, Motor, Floating, Regenerative.

**A-B Ports:** Standard: 1/2", Optional: 3/4", M18x1.5.

**Front Cap Options:** Handle, Mechanical Joystick, Hydraulic Joystick, Remote Cable Control, Lock Handle.

**End Cap Options:** Spring, Detent, Floating, Wood Splitter, Pneumatic, Proportional Coil, Hydraulic Control, Electro-Hydraulic, Remote Cable Control.

### Technical Specifications – 120L Valve Group

**Flow Capacity:**

120 L/min (Nominal)

140 L/min (Maximum)

**Spool Types:** 1 Section: Double, Single, Closed Center, Motor Spool

**A-B Ports:** Standard: 1/2", Optional: 3/4".

**Front Cap Options:** Handle, Remote Cable Control, Lock Handle.

**End Cap Options:** Spring, Detent, Floating, Wood Splitter, Pneumatic, Proportional Coil, Hydraulic Control, Electro-Hydraulic, Remote Cable Control.



### Technical Specifications – 160L Valve Group

**Flow Capacity:**

160 L/min (Nominal)

200 L/min (Maximum)

**Spool Types:** 1 to 3 Sections: Double, Single, Closed Center, Motor, Floating, Regenerative.

**A-B Ports:** Standard: 3/4", Optional: 1".

**Front Cap Options:** Handle, Hydraulic Joystick, Remote Cable Control, Dust-Proof Cap.

**End Cap Options:** Spring, Detent, Floating, Wood Splitter, Pneumatic, Proportional Coil, Hydraulic Control, Electro-Hydraulic, Remote Cable Control.



# General Information About the Valve



## Technical Specifications – 50L Valve Group

**Flow Capacity:**  
50 L/min (Nominal)  
70 L/min (Maximum)

**Spool Types:** 1 to 12 Sections: Double, Single, Closed Center, Motor, Floating, Regenerative.

**A-B Ports:** Standard: 3/8", Optional: M18x1.5.

**Front Cap Options:** Handle, Mechanical Joystick, Hydraulic Joystick, Remote Cable Control, Lock Handle.

**End Cap Options:** Spring, Detent, Floating, Pneumatic, Proportional Coil, Hydraulic Control, Electro-Hydraulic, Remote Cable Control.

## Technical Specifications – 80L Valve Group

**Flow Capacity:**  
80 L/min (Nominal)  
100 L/min (Maximum)

**Spool Types:** 1 to 12 Sections: Double, Single, Closed Center, Motor, Floating, Regenerative.

**A-B Ports:** Standard: 1/2", Optional: M22x1.5.

**Front Cap Options:** Handle, Mechanical Joystick, Hydraulic Joystick, Remote Cable Control, Lock Handle.

**End Cap Options:** Spring, Detent, Floating, Pneumatic, Proportional Coil, Hydraulic Control, Electro-Hydraulic, Remote Cable Control.



## Technical Specifications – 100L Valve Group

**Flow Capacity:**  
100 L/min (Nominal)  
120 L/min (Maximum)

**Spool Types:** 1 to 12 Sections: Double, Single, Closed Center, Motor, Floating, Regenerative.

**A-B Ports:** Standard: 3/4", Optional: 1/2".

**Front Cap Options:** Handle, Mechanical Joystick, Hydraulic Joystick, Remote Cable Control, Lock Handle.

**End Cap Options:** Spring, Detent, Floating, Pneumatic, Proportional Coil, Hydraulic Control, Electro-Hydraulic, Remote Cable Control.



### Technical Specifications – 150L Valve Group

**Flow Capacity:**

150 L/min (Nominal)

170 L/min (Maximum)

**Spool Types:** 1 to 12 Sections: Double, Single, Closed Center, Motor, Floating, Regenerative.

**A-B Ports:** Standard: 3/4", Optional: SAE.

**Front Cap Options:** Handle, Mechanical Joystick, Hydraulic Joystick, Remote Cable Control, Lock Handle.

**End Cap Options:** Spring, Detent, Floating, Pneumatic, Proportional Coil, Hydraulic Control, Electro-Hydraulic, Remote Cable Control.

### Technical Specifications – 240L Valve Group

**Flow Capacity:**

240 L/min (Nominal)

300 L/min (Maximum)

**Spool Types:** 1 to 12 Sections: Double, Single, Closed Center, Motor, Floating, Regenerative.

**A-B Ports:** Standard: 1", Optional: 1 1/4".

**Front Cap Options:** Handle, Mechanical Joystick, Hydraulic Joystick, Remote Cable Control, Lock Handle.

**End Cap Options:** Spring, Detent, Floating, Pneumatic, Proportional Coil, Hydraulic Control, Electro-Hydraulic, Remote Cable Control.



### Technical Specifications – JS400 Joystick

**Flow Capacity:**

20 L/min (Nominal)

100 Bar (Maximum)

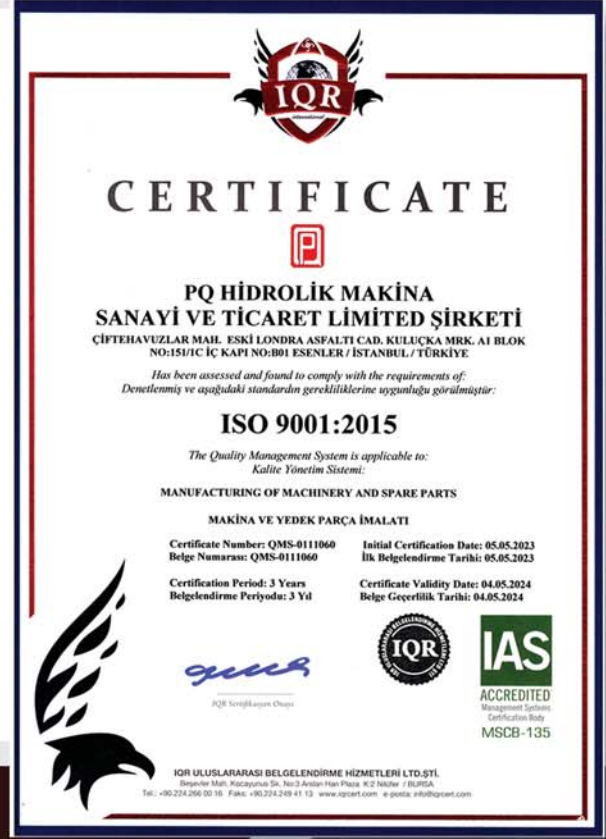
**Description:** Single lever joystick to control two spools via hydraulic oil.

**A-B Ports:** Standard 4-port connection, 1/4".

**Electrical Button Configurations:** Up to 6 + 3 buttons, IP40 / IP44, optional button connections available.

**Spool Types:** Double acting.

**Optional:** Flow rate and pressure can be adjusted upon customer request.



## PQ Hydraulic – Leader in Power, Quality and Engineering

*PQ Hydraulic manages all processes, from production to quality control, through an integrated ERP system to ensure maximum efficiency. Our production line, optimized with Six Sigma principles, delivers fast, cost-effective, and high-quality solutions. Each product is rigorously tested using software-assisted test machines, digitally recorded, and delivered flawlessly to customers.*

*With 70% of our production dedicated to export, we combine high-quality casting techniques with advanced CNC machining. Our monoblock control valves deliver superior performance with minimal internal leakage, up to 15% power loss reduction, and high-precision machining. All products are cleaned with special washing techniques and certified with CE and ISO 9001. High-flow capacity valve designs enhance hydraulic system efficiency, reducing heat generation and pressure losses.*

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