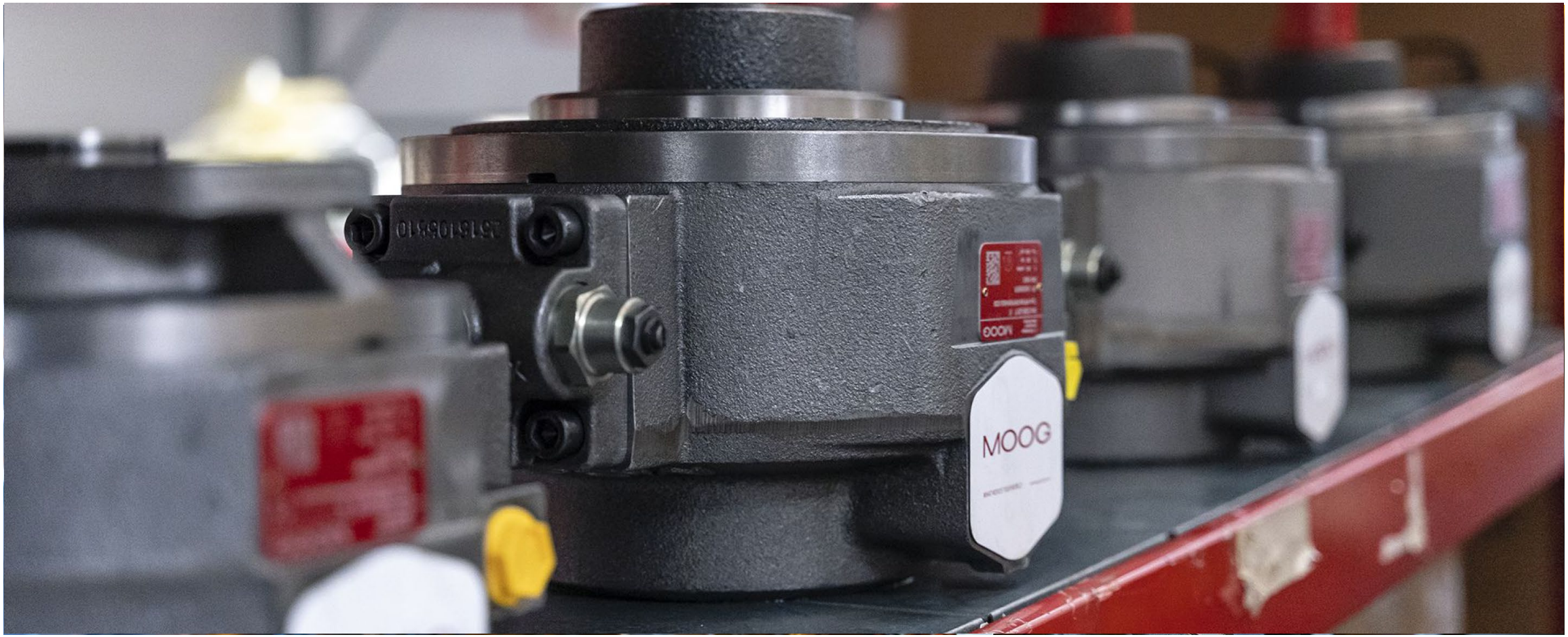


MOOG

Shaping the way our world moves™

RADIAL PISTON PUMPS

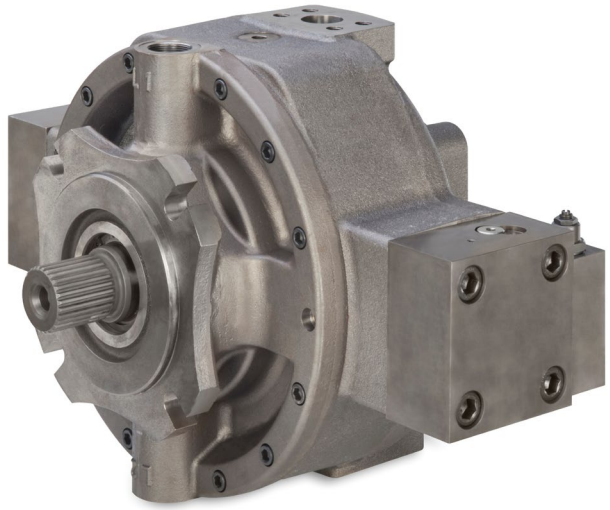
Tap to conitnue

CUSTOMER NEEDS

- **High reliability** even in harsh environments
- **Low-noise** operation at high speeds
- Low to **no maintenance**

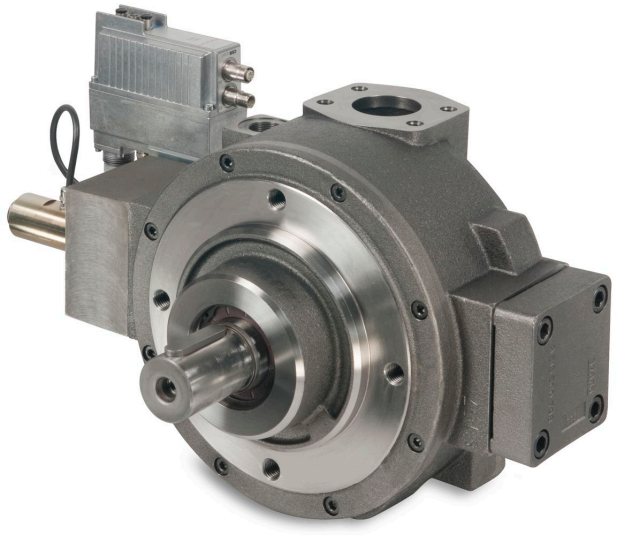
MOOG SOLUTION

‹ SELECT YOUR PUMP ›



Tap to learn more +

Moog Radial Piston Pump (RKP)



Tap to learn more +

Moog Radial Piston Pump with Digital Control (RKP-D)

MOOG SOLUTION

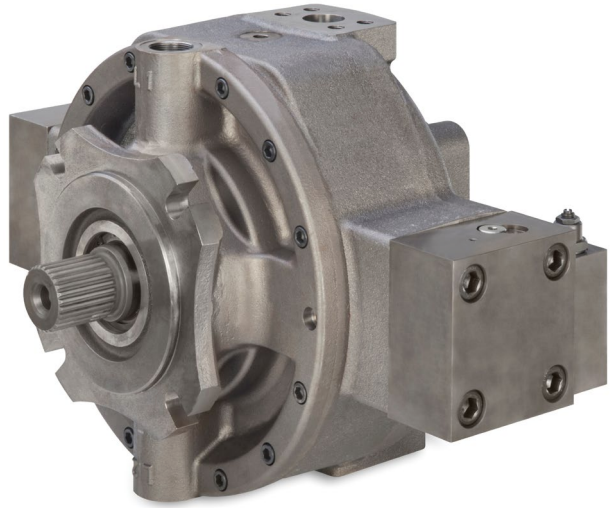
MOOG RADIAL PISTON PUMP (RKP)

- **Less noise** emission
- **Robustness** against contamination
- Longevity
- High efficiency
- High dynamics

MOOG SOLUTION

MOOG RADIAL PISTON PUMP (RKP)

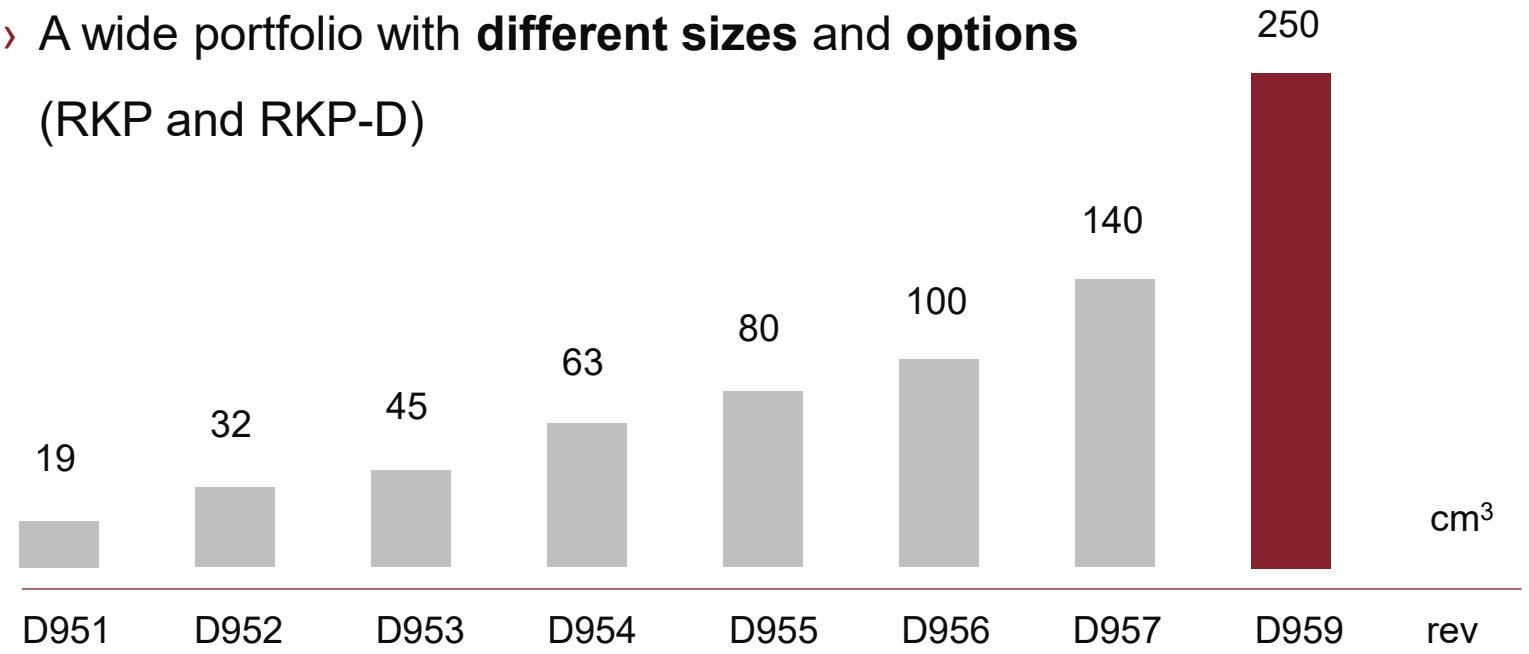
- **Modular design** for superior performance
- **Quiet and robust**
- **Multiple pumps** configurations by axial mounting
- For use with mineral oil and special fluids



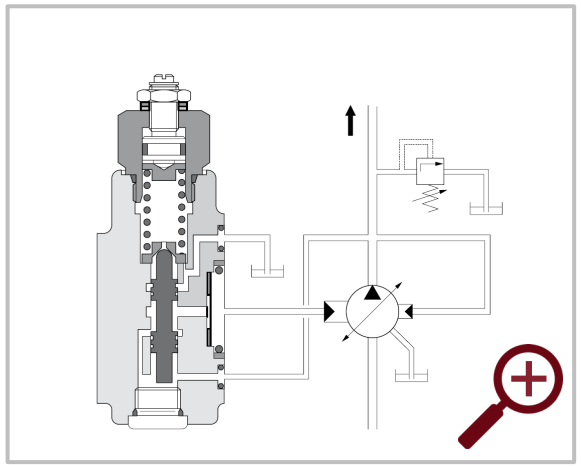
Tap to enlarge

MOOG SOLUTION

› A wide portfolio with **different sizes** and **options** (RKP and RKP-D)

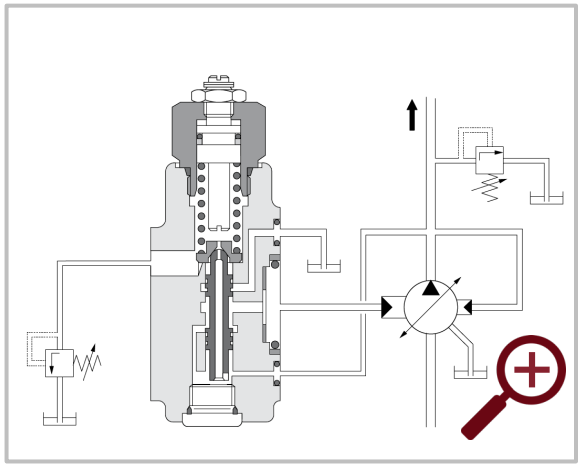


CONTROL OPTIONS



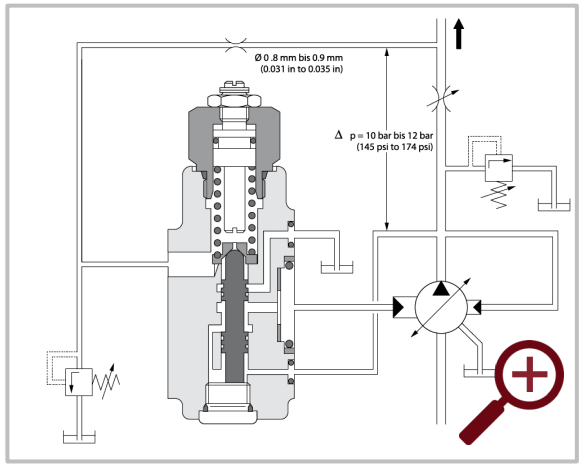
Direct Operated Pressure

Controller



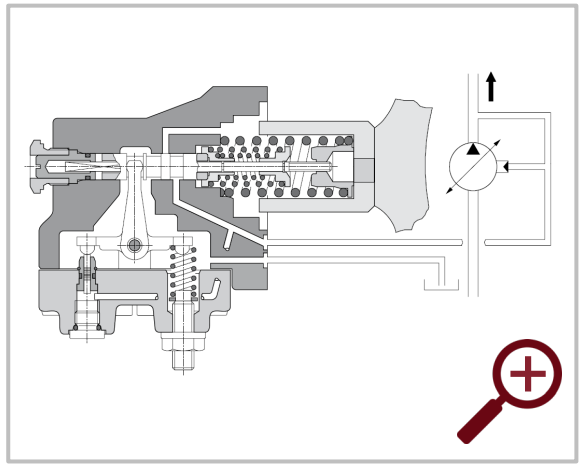
Pilot Operated Pressure

Controller



Combined Pressure/Flow (Load sensing)

Controller



Horse Power

Controller

MOOG SOLUTION

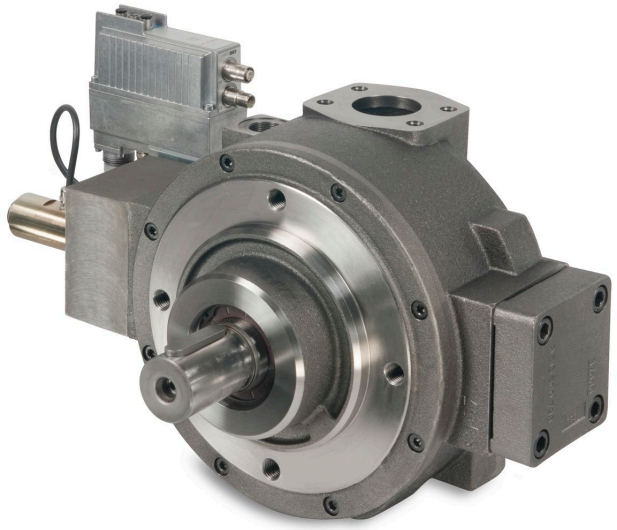
MOOG RADIAL PISTON PUMP WITH DIGITAL CONTROL (RKP-D)

- High **control precision** and **repeatability**
- Fast **response time**
- High **connectivity** (digital interface)

MOOG SOLUTION

MOOG RADIAL PISTON PUMP WITH DIGITAL CONTROL (RKP-D)

- **Flexible** control options
- RKP-D can be digitally controlled via **CANopen** interface or purely analog by analog command signals
- **Master-slave operation**
- **Real Time Diagnostics** and **Failure Configuration** with full access to internal parameters



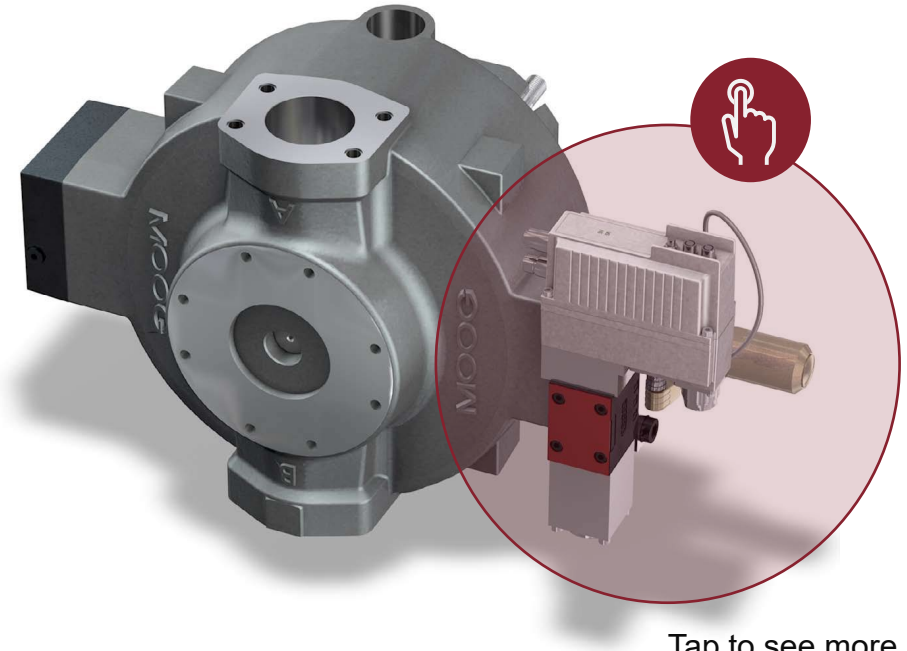
Tap to enlarge

CONNECTIVITY

MOOG RADIAL PISTON PUMP WITH DIGITAL CONTROL (RKP-D)

- **CANopen** field bus interface
- Possibility to read in 2 **additional sensors**, e.g. pressure sensors
- Adaption of pump behaviour by **analogue parameter switching**

CANopen®

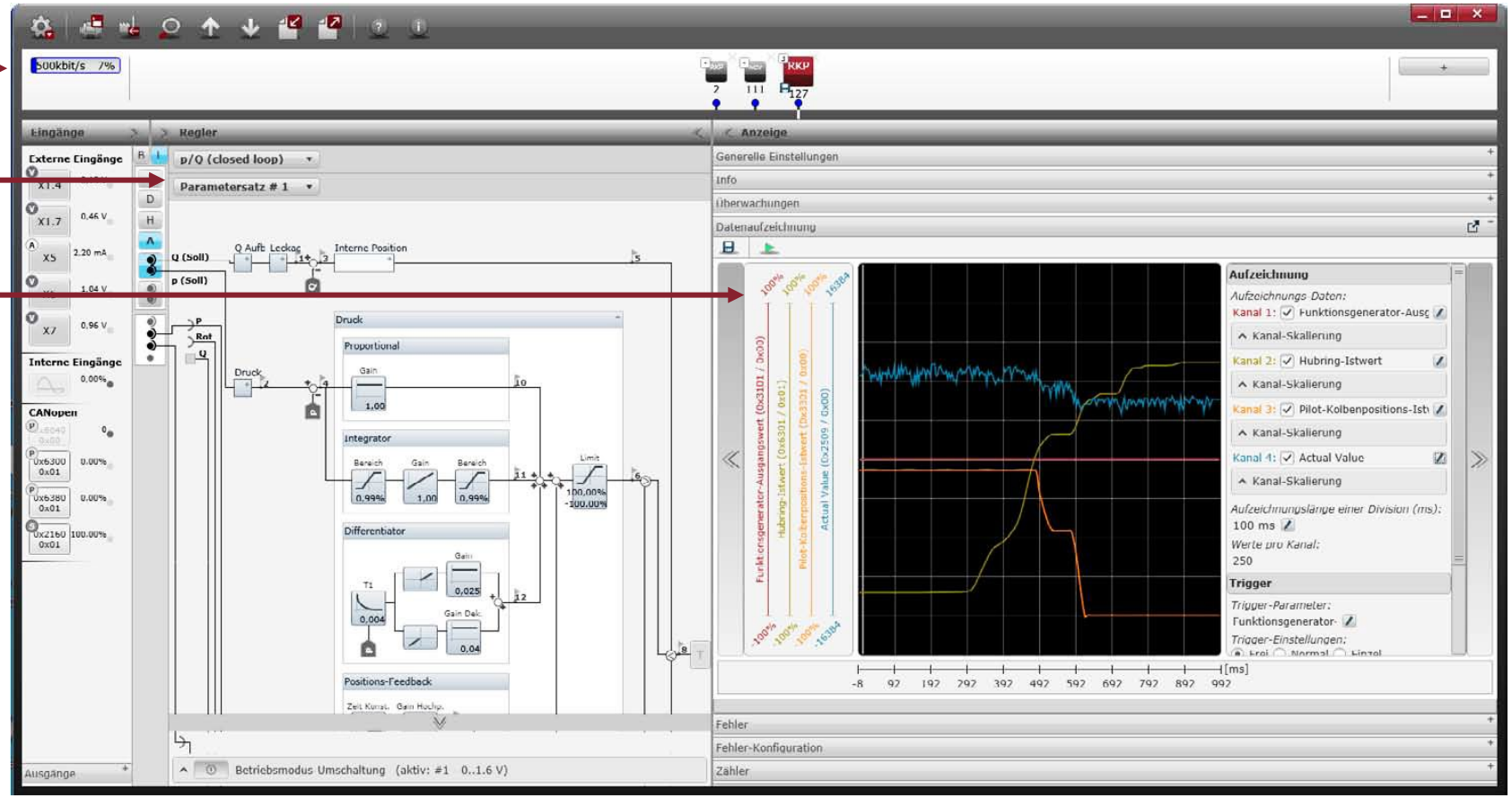


Tap to see more +

CONFIGURATION / PARAMETRIZATION

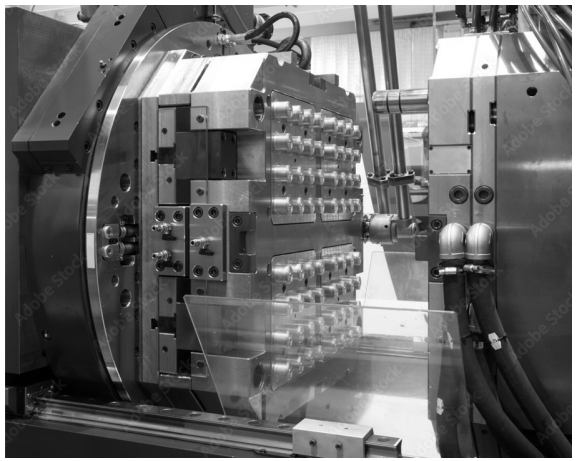
MOOG VALVE AND PUMP CONFIGURATION SOFTWARE (MOVAPUCO)

- Easy Interface Management
- Easy Controller Tuning
- Built in Oscilloscope

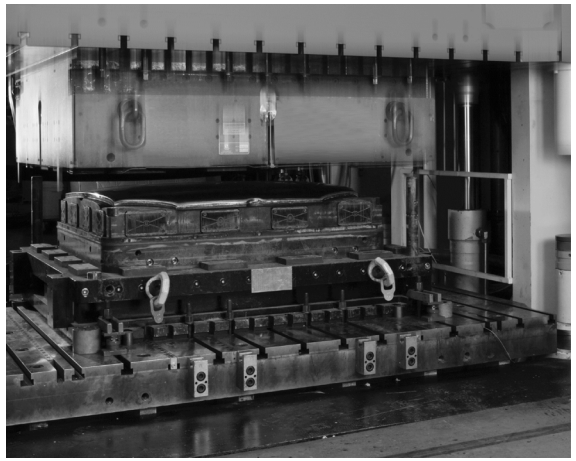


Link to Moog Software Download

TYPICAL TARGET APPLICATIONS

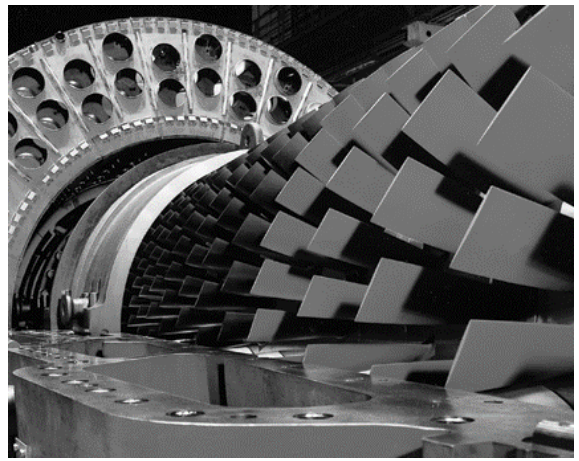


| Plastics machinery



| Metal forming & presses

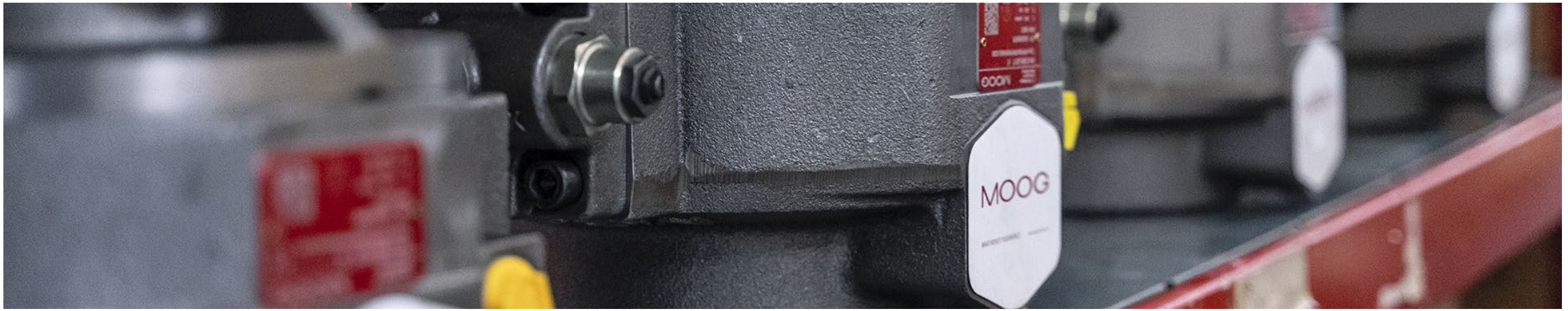
| Marine



| Gas & steam turbines

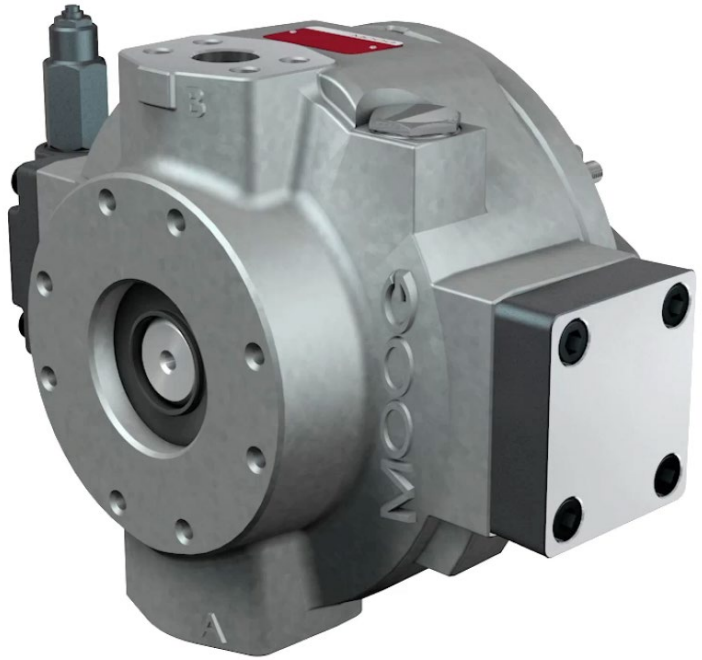
MOOG

SUMMARY



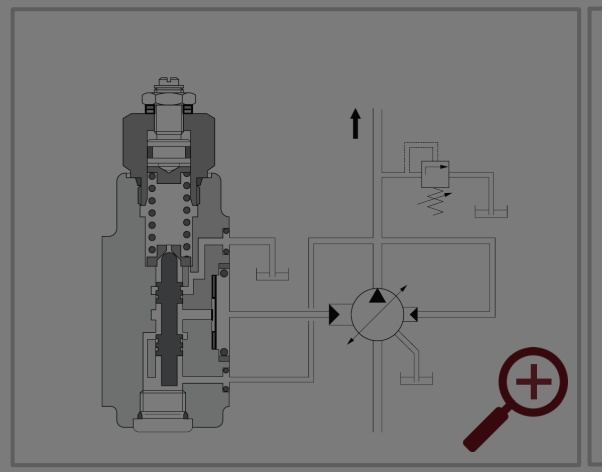
- Reliable pump with **long service life**
- **Low noise** and **low pressure** pulsation
- High efficiency
- Different **controller** options available
- **RKP-D** for sophisticated controller missions available
- **ATEX** & **Ex-Proof** versions available

MOOG SOLUTION



Tap to see less

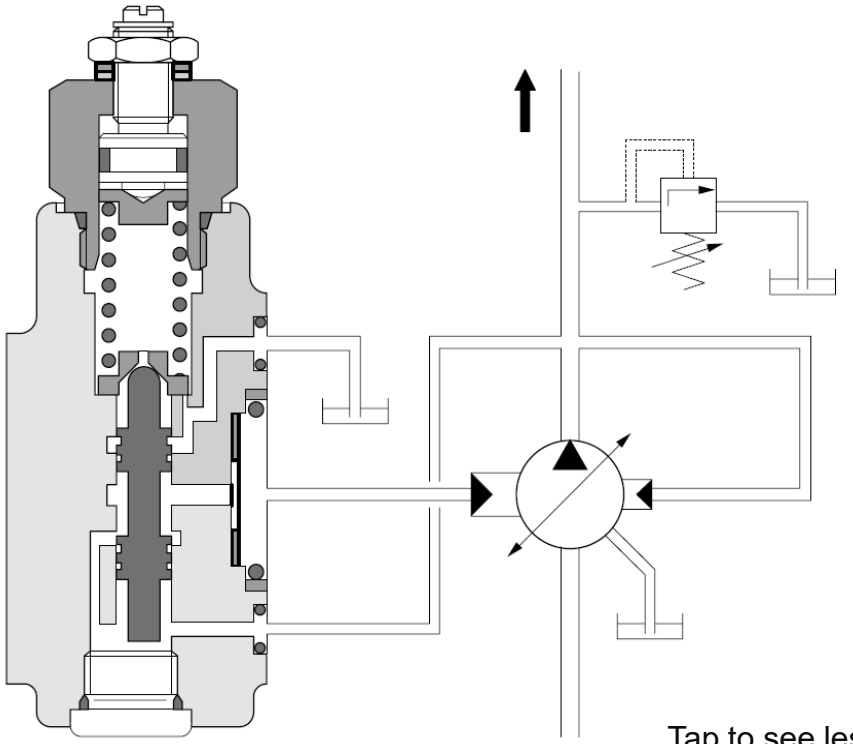
CONTROL OPTIONS



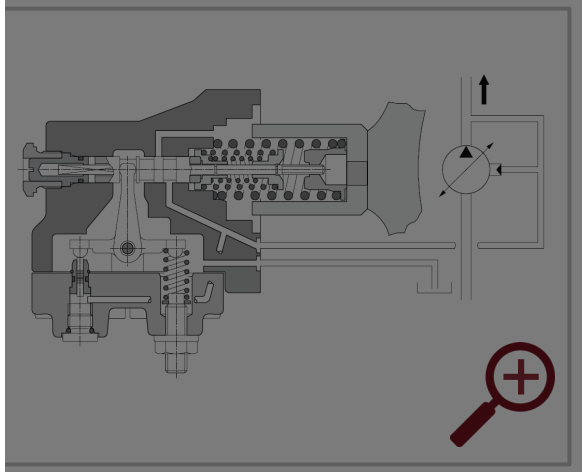
Direct Operated Pressure

Controller

DIRECT OPERATED PRESSURE CONTROLLER



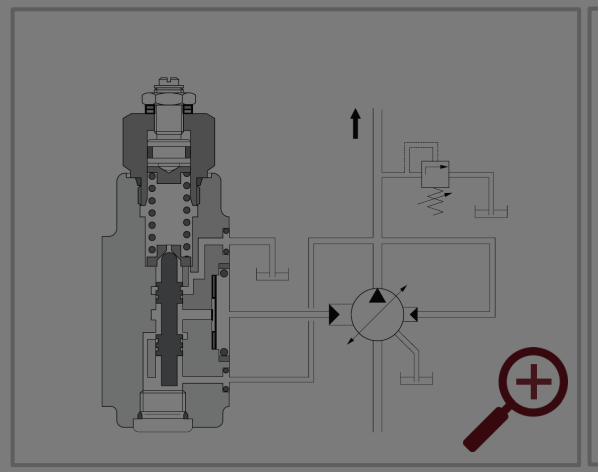
Tap to see less



Horse Power

Controller

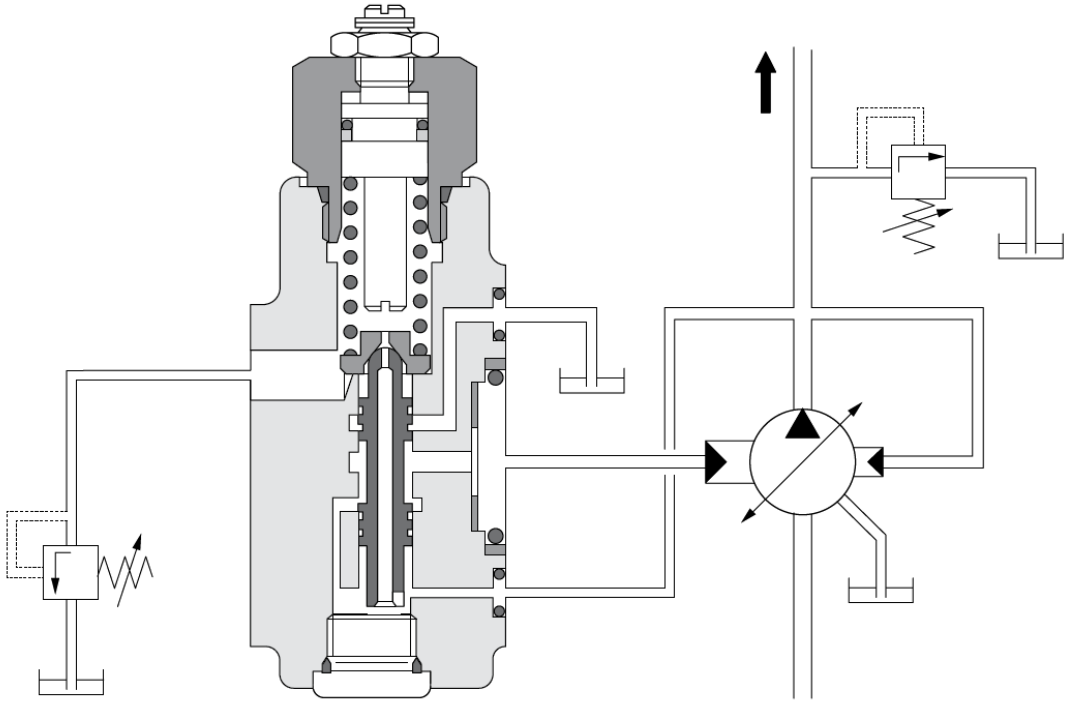
CONTROL OPTIONS



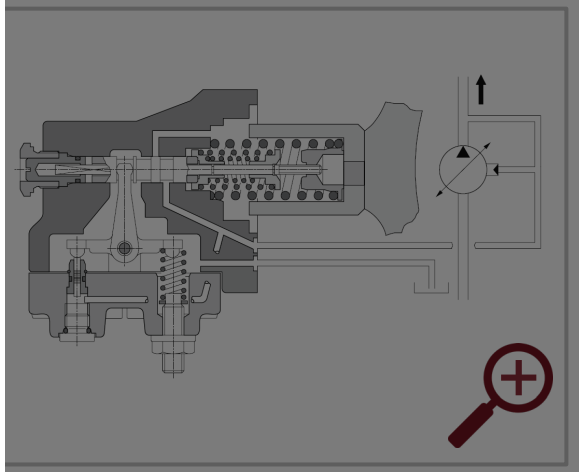
Direct Operated Pressure

Controller

PILOT OPERATED PRESSURE CONTROLLER



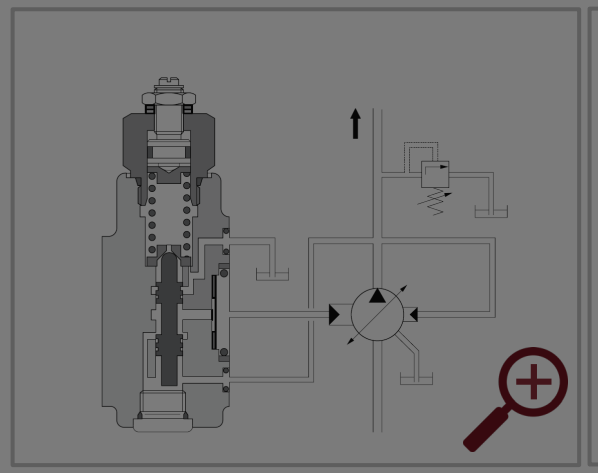
Tap to see less



Horse Power

Controller

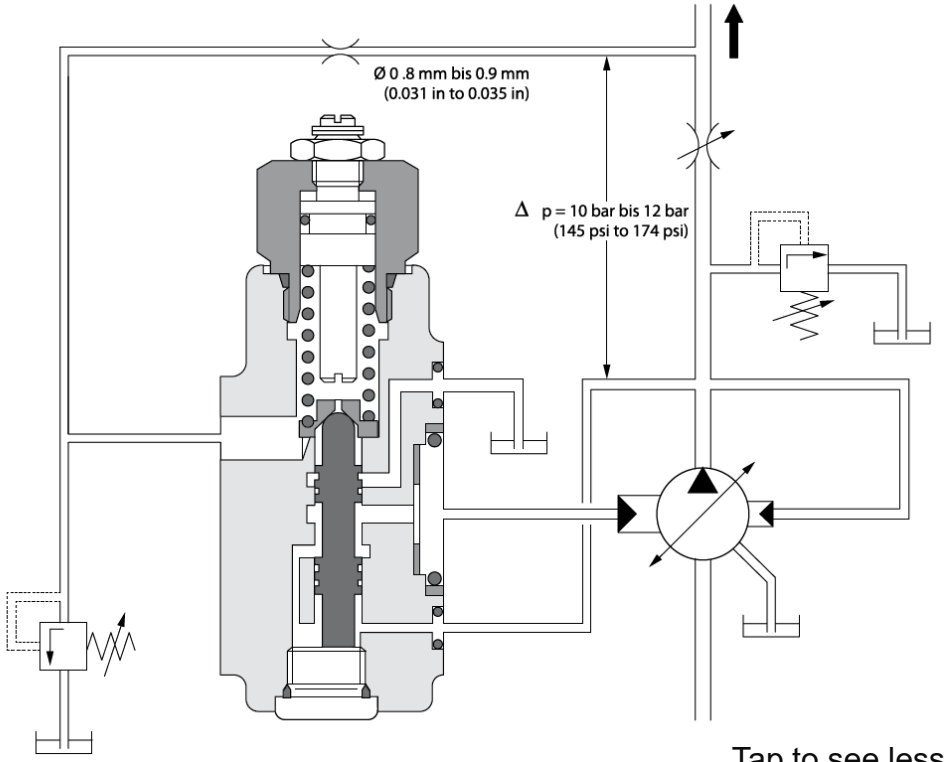
CONTROL OPTIONS



Direct Operated Pressure

Controller

COMBINED PRESSURE / FLOW CONTROLLER



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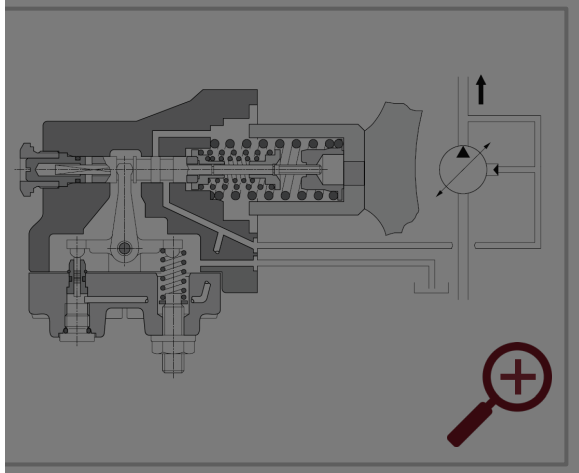
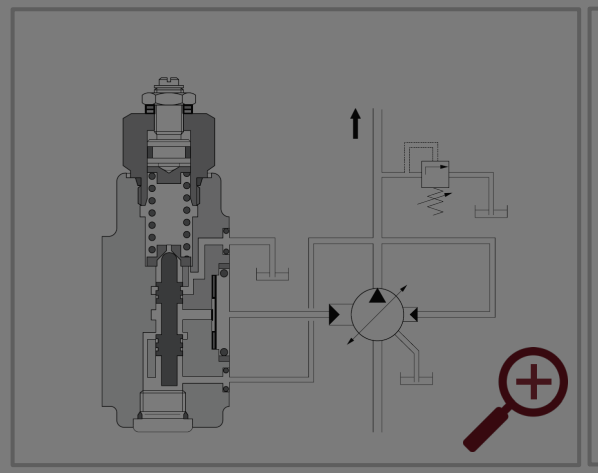


Horse Power

Controller

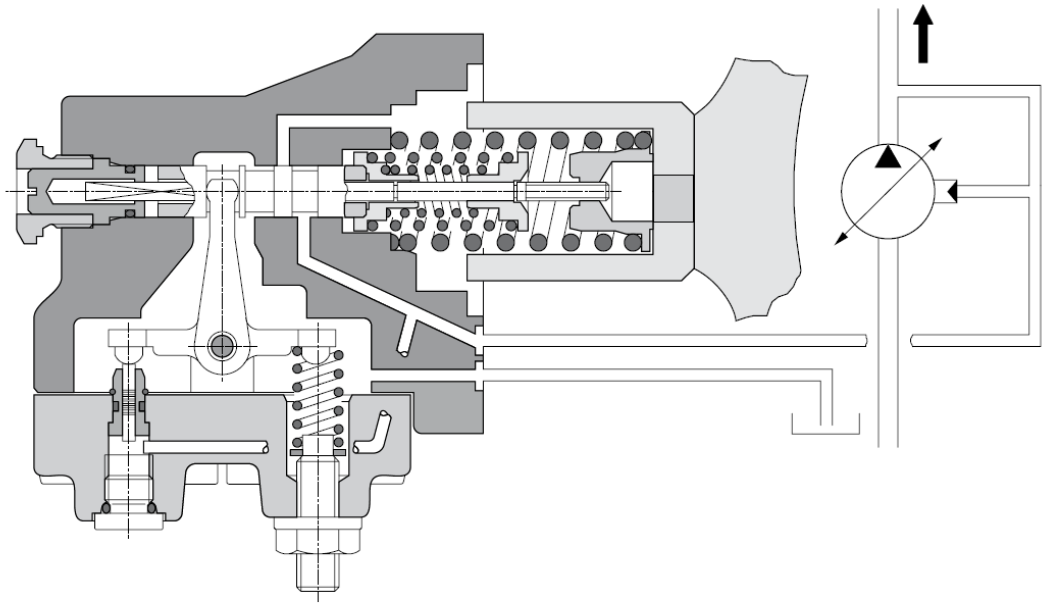
CONTROL OPTIONS



Direct Operated Pressure

Controller

HORSE POWER CONTROLLER



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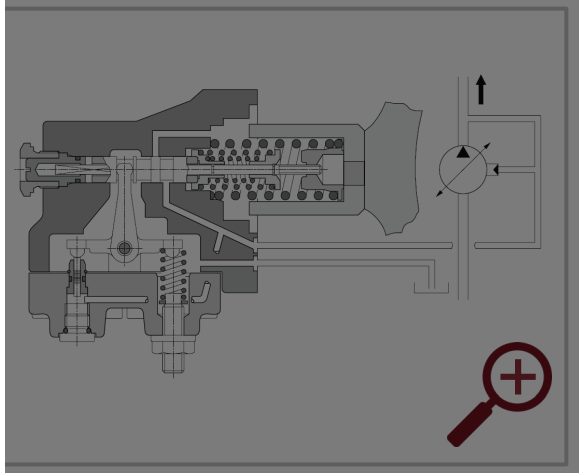
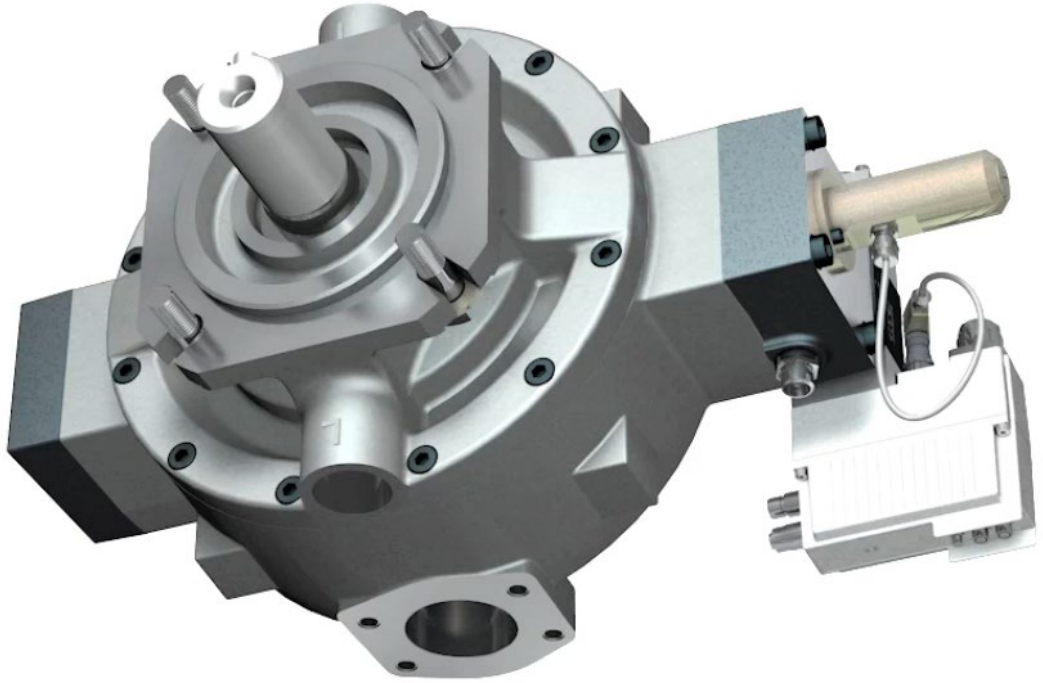


Horse Power

Controller

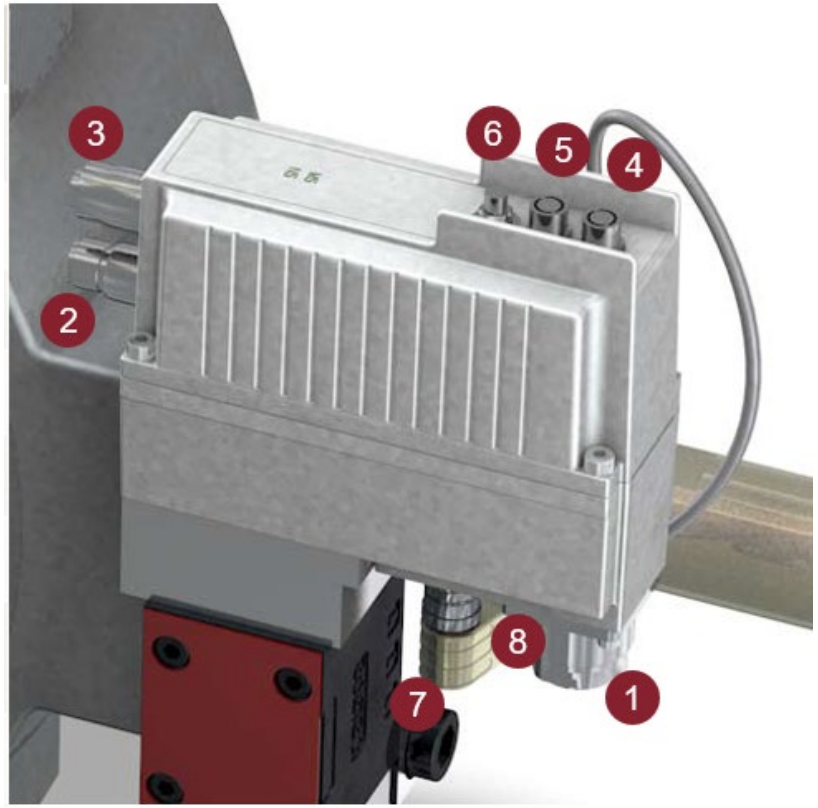
MOOG SOLUTION



Tap to see less

MOOG

MOOG SOLUTIONS



	DESCRIPTION	TYPE
1	Main connector	11+PE, 11-pole contact with PE
2	CAN connector	M12x1, 5-pole pin contact
3	CAN connector	M12x1, 5-pole socket contact
4	Pressure sensor 2	M8x1, 4-pole socket contact
5	Pressure sensor 1	M8x1, 4-pole socket contact
6	Analog parameter set selection	M8x1, 4-pole socket contact
7	Linear Variable Displacement Transducer (LVDT)	M12x1, 5-pole socket contact
8	Local CAN for master-slave operation (optional)	M8x1, 3-pole pin contact

Tap to see less