DOMIN

S10 Pro

Overview

The Domin S10 Pro is a single stage DDV which combines high flow, excellent dynamics, strong chip shear, and low power consumption.

The S10 Pro has been designed to sustain high bandwidth operation at exceptional flows without significant limitation of operating pressures or duty cycles.

Where DDVs have been employed to control high flows there is a clear trade with packaging size and weight. The S10 Pro valve is packaged to be lower weight and more compact than the best of EHSVs.

Features

- Direct drive valve with onboard electronics with spool position feedback
- Rated flow of up to 250 lpm (at 70 Bar ΔP)
- Maximum flow of up to 475 lpm
- Bandwidth of > 150 Hz (-3 dB, up to ± 25% FS)
- Chip shear capability of > 700 N
- Valve mass of 4.2 kg

Datasheet

Why move to DDVs?

- DDVs use modern technology to reduce CO2 emissions by an average of 1 ton per year through more efficient energy use and the removal of the first hydraulic stage.
- Mass customisation is enabled through modern, intelligent onboard electronics
- Increased reliability is achieved through the removal of the first stage and complete environmental sealing giving longer product life, dirty oil compatibility and high chip shear capability.
- The Spool position, all performance metrics are independent of supply pressure allowing more consistent performance.
- DDV's offer digitally controlled hydraulics giving customers and OEMs access to data like never before.

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How we Compare

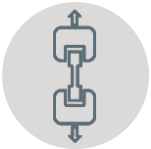
	S10 Pro	D3FP	4WRVE 10	D661
Flow	🟢	🔴	🔴	🔴
Frequency Response	🟢	🟢	🔴	🔴
Weight	🟢	🔴	🔴	🟢
Size	🟢	🔴	🔴	🔴
Step Response	🟢	🟢	🔴	🔴

S10 Pro Popular Sectors

Blow/ Injection Moulding

Wood/ Timber Machines

Fatigue & Material Testing



Gas, Steam & Hydro Turbines

Hydraulic Presses

Domin

- ✓ World leading products
- ✓ Semi / fully custom applications
- ✓ Integrated system design
- ✓ Hydraulic servo control
- ✓ Niche demands that require small changes to the product
- ✓ Competitive pricing
- ✓ Lead times reduced dramatically compared to current competitors

For more Information, please Contact Us:

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https://domin.co/

https://domin.co/collections/s10-pro

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