

## Technical Information

# Directional Control Valve

## ECO 80

## Technical description

## ECO 80 LS technical data

The characteristics in this catalog are typical measured values. During measurement, a mineral-based hydraulic oil with a viscosity of 32 mm<sup>2</sup>/s at a temperature of 55 °C was used.

*ECO 80 LS technical data*

Maximum pressure	Port P, A/B continuous	280 bar
	Port A/B intermittent	320 bar
	Port T, static / dynamic	25 / 40 bar
Oil flow rated	Port P	80 l/min
	Port A/B	80 l/min
Spool travel, standard		± 5 mm
Dead band, flow control spools		± 1.5 mm
Maximum internal leakage at 70 bar and 32 mm <sup>2</sup> /s	A/B → T without shock valve	15 cm <sup>3</sup> /min
	A/B → T with shock valve	20 cm <sup>3</sup> /min
Oil temperature (inlet temperature)	Recommended temperature	30 → 60 °C
	Minimum temperature	-30 °C
	Maximum temperature	+90 °C
Ambient temperature		-30 → 60 °C
Oil viscosity	Operating range	12 - 75 mm <sup>2</sup> /s
	Minimum viscosity	4 mm <sup>2</sup> /s
	Maximum viscosity	460 mm <sup>2</sup> /s
Filtration / maximum contamination according to ISO 4406		23/19/16