HYQUIP

AD INTERNATIONAL

DLHSR DLHSD В ₩0 Up to 30 I/min Up to 350 bar

FUNCTION

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Accumulator Charging Valve Spool Type Pilot-Operated – 350 bar DLHSD (Manifold

Mounting) DLHSR (Inline Mounting)

FEATURES

- Re-charging of the accumulator is dependent on the switch-on pressure, resulting in full accumulator capacity for emergency function in pump intermittent duty mode
- Switch-off pressures within the pressure ranges 100, 250 and 350 bar freely adjustable
- Very low discharge of the accumulator due to pilot stage with minimal leakage
- Compact design enables space-saving installation in control blocks and power • units
- Optimal system adaptation due to valves with different, fixed switching pressure differentials (12, 16, 21%),
- Built-in check valve means no additional installation cost
- Low ∆p characteristics
- Various pressure ranges up to 350 bar
- Simple commissioning by setting the switch-off pressure

The accumulator charging valve DLHS D / R is a pilot-operated, spring-loaded spool valve mounted in a manifold or inline housing. Its function is to control the charging of the accumulator within a

defised swittenesis an one an pilotost and with check valve are integrated into the circuit.

The accumulator is charged at port A from pump port P across the check valve. If the pressure in the accumulator exceeds the piletsettagelutene finthein piston opens and the pump is relieved to tank. If the pressure in th accumulator decreases by the value of the switching pressure differential, the pilot stage closes again and the accumulator is **Gaution**ed

- Switching pressures are affected by the pressure at port T!
- Select the largest possible switching pressure differential!
- Ensure that switch-off pressure + accumulator size to pump flow achieves
- a charging time of >1s!
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SPECIFICATIONS

Operating pressure:	min. 0 to max. 350 bar max. 10 bar across tank port T
Nominal flow:	max. 30 l/min
Media operating temperature range:	min20 °C to max. +100 °C
Ambient temperature range:	min20 °C to max. +100 °C
Operating fluid:	Hydraulic oil to DIN 51524 Part 1 and 2
Viscosity range:	min. 8 mm²/s to max. 320 mm²/s
Filtration:	Class 21/19/16 according to ISO 4406 or cleaner
Installation:	No orientation restrictions
Materials:	Valve body: high tensile steel
ne	Piston: hardened and ground steel Seals: FKM
	(standard) Back-up rings:
e	PTFE
Weight:	DLHSD: 2.1 kg DLHSR: 1.5 kg
Line length:	From port A to the accumulator: max. 200 mm; T (tank) or L (drain) lines to the tank must be sized for minimal
	back-pressure
Switching pressure differential:	12%, 16%, 21% (switching pressures are affected by the
	pressure across port T)

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MODEL CODE

DLHSR - 01 X - 21 / 250 Accumulator charging valve hydraulic Controlled by switching pressure differential DLHSD = manifold housing

DLHSR = inline housing

Туре 01 = standard (with check valve)

Series

(determined by manufacturer)

Switching pressure differential

12 = minus 12% of switch-off press. = switch-on pressure 16 = minus 16% of switch-off press. = switch-on pressure 21 = minus 21% of switch-off press. = switch-on pressure

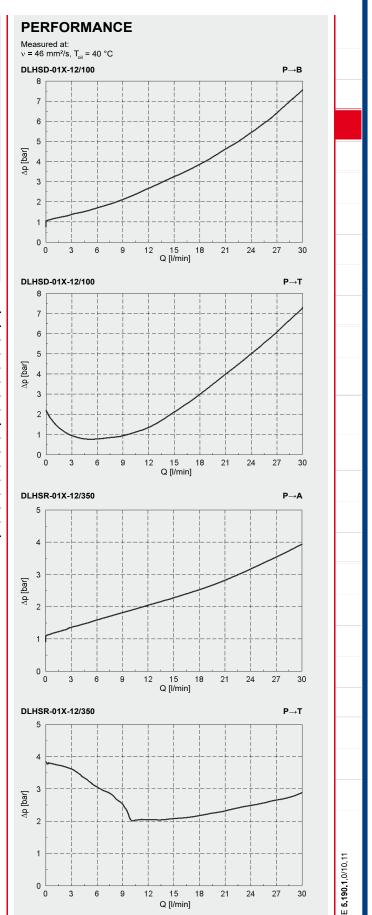
Max. switch-off pressure

= 30 to 100 bar 100 250 = 60 to 250 bar 350

= 100 to 350 bar

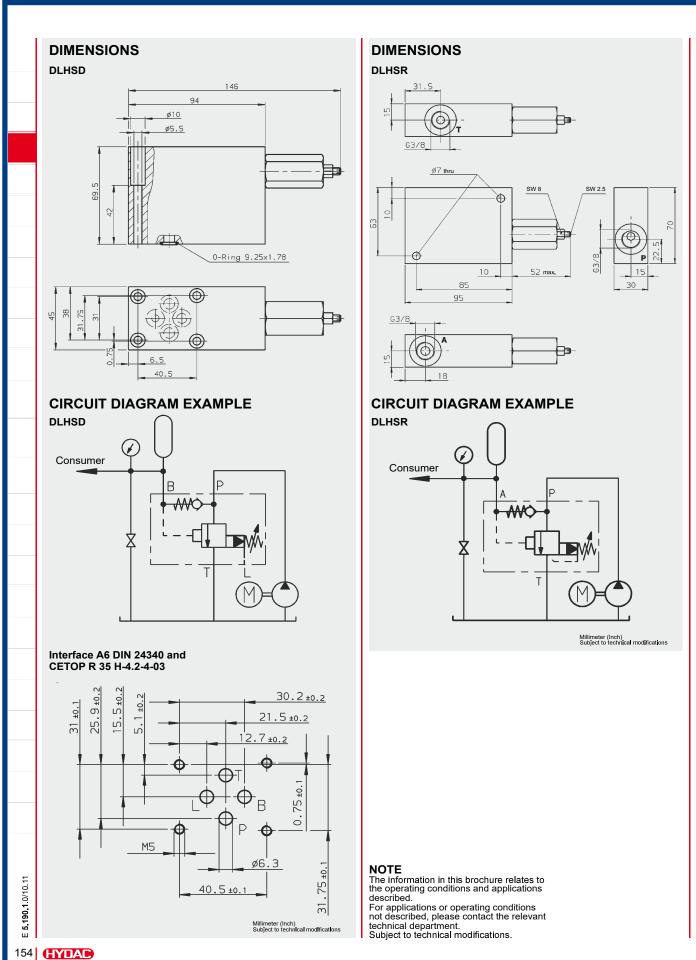
Standard models

Model code	Part No.
DLHSD-01X-12/100	561894
DLHSD-01X-12/250	558260
DLHSD-01X-16/100	3345531
DLHSD-01X-16/250	3034027
DLHSD-01X-21/100	3107800
DLHSD-01X-21/250	562729
DLHSD-01X-21/350	3228872
DLHSR-01X-12/100	3192646
DLHSR-01X-12/250	3526092
DLHSR-01X-12/350	3227535
DLHSR-01X-16/100	3069194
DLHSR-01X-16/250	396811
DLHSR-01X-16/350	3195654
DLHSR-01X-21/100	561385
DLHSR-01X-21/250	3126516



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