

Data Sheet

# Directional control valve

## CDS 60

For more than 40 years, Danfoss has been developing state-of-the-art components and systems for mobile machinery used in off-highway applications around the world. We have become a preferred supplier by delivering know how in motion™.

The CDS Directional Control Valve range provides optimized valve solutions. It is designed for quality, reliability, offers flexibility and greater efficiency versus the competition. Metered spools, low leakage rates and extensive auxiliary options provide accurate, precise control in demanding applications.

All CDS electrical control options are PLUS+1® Compliant. PLUS+1® allows you to rapidly develop and customize electronic machine control.

### Features

- 210 Bar [3000 psi] 60 l/min [15 US gal/min]
- 40 Bar [580 psi] maximum tank pressure
- 1 to 12 work sections per valve group
- Parallel/tandem/series metered
- SAE/BSP/Metric thread porting
- Priority flow control inlet
- Mid-inlet
- Float position options
- Work port relief/anti-cav./metering/load-holding
- 12/24V<sub>DC</sub> on-off solenoid pilot operator
- Mechanical joystick operator
- Remote lever and cable operator
- Hydraulic/pneumatic operator
- Power beyond/pressure bypass

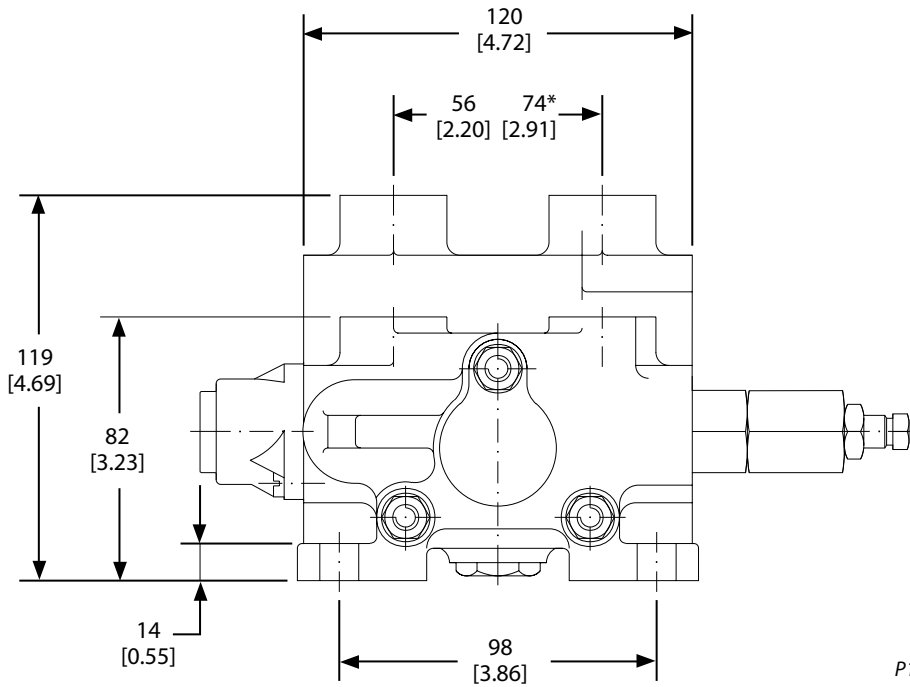


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Comprehensive technical literature online  
at [powersolutions.danfoss.com](http://powersolutions.danfoss.com)

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**Dimensions**



P101794

**Specifications**

|   |  |
|---|--|
| <b>Maximum flow</b>                             | 60 l/min [15.8 US gal/min]                     |
| <b>Work pressure</b>                            | 210 bar [3050 psi]                             |
| <b>Maximum pressure</b>                         | 250 bar [3625 psi]                             |
| <b>Maximum pressure (outlet section)</b>        | 40 bar [580 psi]                               |
| <b>Temperature range</b>                        | -40° to 80 °C [-40 to 176 °F]                  |
| <b>Recommended fluid type</b>                   | Mineral based hydraulic oil                    |
| <b>Recommended viscosity</b>                    | 26-55 mm <sup>2</sup> /sec (cSt) [123-255 SUS] |
| <b>Minimum fluid cleanliness (per ISO 4406)</b> | 19/16  |

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