

MINIATURE POWER ASSISTED STEERING VALVE

E243



Designed for Formula 1: The Power Assisted Steering Valve (PAS) is specifically designed to meet the high-performance requirements of Formula 1 and high performance automotive.

Compact Size: The PAS occupies the smallest viable space envelope, with a length of 41 mm (1.62 in).

Lightweight: The PAS has a mass of just 27.5 g (0.97 oz), contributing to overall vehicle weight reduction.

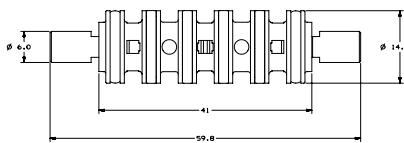
High Flow Rate Control: Despite its small size, the PAS can control hydraulic flow rates up to 28 l/min (7.4 USG).

High Pressure Control: The PAS is capable of handling pressures up to 280 bar (4061 psi).

Standard Version E243 Valve: The new standard version E243 Valve facilitates the development of new PAS systems with minimal design overhead and reduced lead time.

Customizable Steering Assistance: The steering assistance characteristics can be easily modified by varying the control port sizes and shapes. This allows for a high degree of customization to meet specific driving conditions and preferences.



SPECIFICATIONS (MM)



BENEFITS

- + Very small size and low mass
- + High power control capability up to a maximum of 26.6 kW
- + Operates directly from the vehicle's constant pressure hydraulic 'ring main'
- + Mechanical input stroke, typically +/- 0.75 mm (0.03 in)
- + Available with linear or dual gain flow characteristics

TYPICAL APPLICATIONS

-  Motorsport
-  High performance automotive

SIZING TOOL

Contact us for access to helpful and dynamic analysis tools.

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