

# Compact Fluid Power Redefined by the Oildyne Cartridge Piston Pump

This Oildyne cartridge pump raises the standard for compact fluid power! This three-piston cartridge pump is an efficient, fixed-displacement pump that provides high performance at a very economical price. Pressure ratings of up to 276 bar (4000 psi), driven speeds of up to 5000 rpm, and the ability to provide a variety of seal types make

this the solution to your unique applications. The uni-directional pump is capable of pumping fluids ranging in viscosity from solvents to thick fluids.

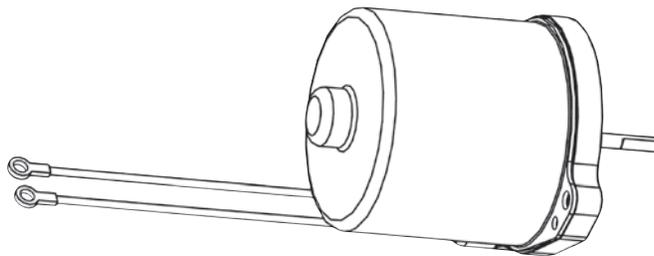
The three-piston cartridge pump maintains the performance and flexibility of the Oildyne five-piston, stand-alone pump while reducing the overall package dimensions.

This ultra-compact piston pump, approximately 33 mm (1.3") in diameter and 51 mm (2") long, is designed to fit into your specially machined manifold allowing for a custom package that fits your space needs.

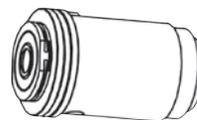
A variety of displacements can be produced all within the existing physical size. (The internal cam angle determines the displacement.)



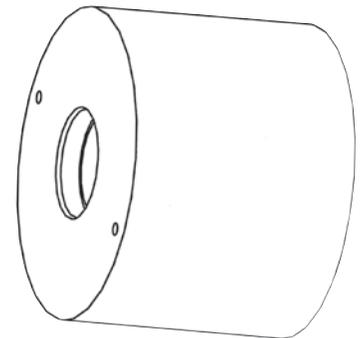
(ACTUAL SIZE PHOTO)



Sample Motor



Pump

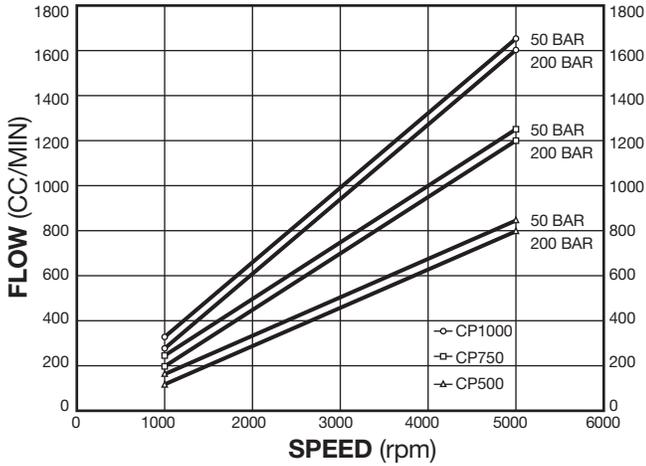


Your Manifold Package

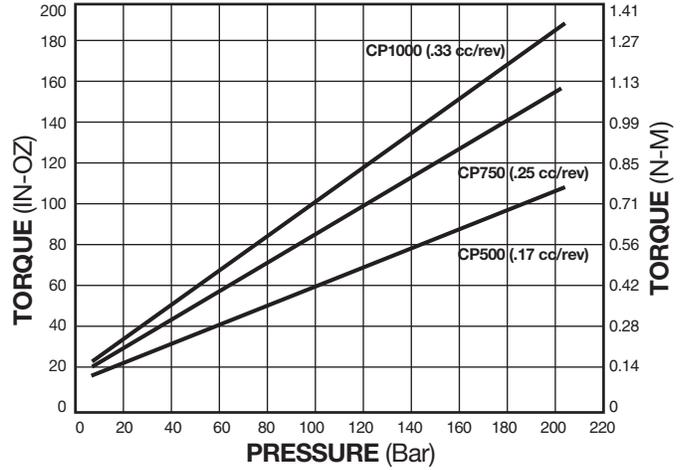
**Technical Information**

# Representative Performance Characteristics

**Cartridge pump flow at 23°C on DOT 3 brake fluid**

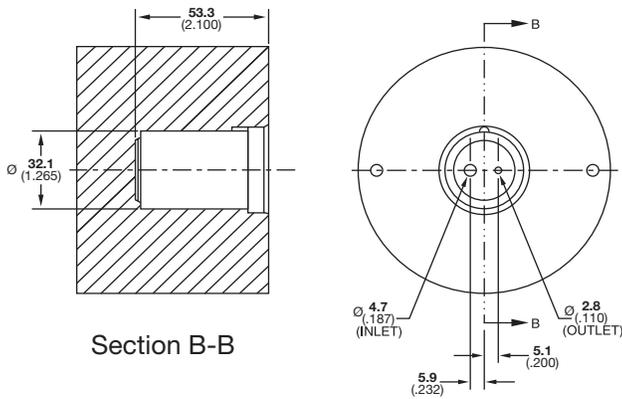


**Cartridge pump input torque at 23°C on DOT 3 brake fluid**



## Cartridge Pump Dimensions

(with sample manifold requirements)  
All dimensions in mm (inches)



## Specifications

**Displacements:** .1 cc/rev. (.006 in<sup>3</sup>/rev.) to .33 cc/rev. (.020 in<sup>3</sup>/rev.)

**Speeds:** Up to 5000 rpm maximum

**Pressures:** 207 bar (3000 psi) maximum continuous  
276 bar (4000 psi) maximum intermittent

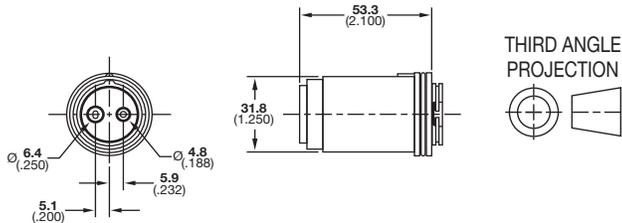
**Temperature Ranges:** Up to 120°C (250°F)

**Seals Available:** Variety

**Fluids Compatibility:** Variety

*Specifications subject to change without notice.  
Performance data is for reference only.*

## Sample Manifolding Requirements



**Cartridge Dimensions**  
(All Displacements)

This cartridge piston pump continues Oildyne's tradition of producing innovative products which can be customized to specific industries. Please call us to discuss how this cartridge pump can be used in your unique application.