The Humphrey piston-poppet, 501V Series 1/2 PIPE port, detented lever valve, achieves fully ported, high flow relative to overall size. Hard coated, cast aluminum body permits resistance to wear and easy mounting/plumbing. The pressure unbalanced piston-poppet design achieves greater flow than comparable 1/2″ orifice valves and millions of trouble-free cycles.

500C Series Cam Operated Mechanical Valves feature the classic Humphrey diaphragm-poppet principle in high-low design. The unbalanced, air spring return design assures bubble-tight sealing actuated, or unactuated.

Base Models

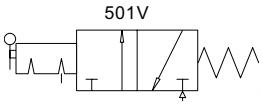
- *3-Way Toggle (**501V**)*
- *3-Way Roller Cam Operated (**500C**)*

501V Features and Benefits

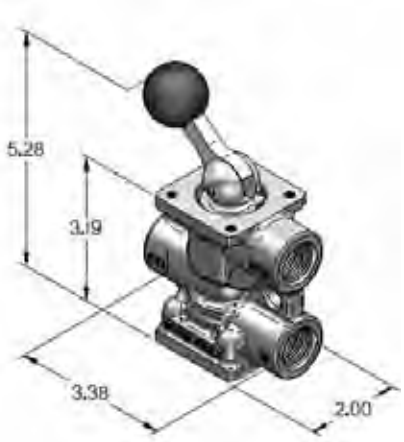
- *Low leak rate.*
- *1/2″ orifice, 1/2 PIPE ports.*
- *High flow, quick exhaust.*
- *Buna-N seals standard. Fluorocarbon seals optional.*

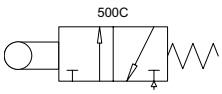
500C Features and Benefits

- *Low leak rate.*
- *1/2″ orifice, 1/2 PIPE ports.*
- *High flow, quick exhaust.*
- *Buna-N seals standard. Fluorocarbon seals optional.*
- *Mount with body mounting holes.*



501V





50OC

How To Order Valves & Manifolds…Pages 109 & 110

HOW TO OBTAIN VALVE SPECIFICATIONS

- Visit www.humphrey-products.com and select "Online Product Guide."
- From the search options provided, choose the valve you want and the details for that product.
- Once completed, select "Spec Sheet" to create a PDF of the valve, which you may save and print at your convenience.

HOW TO FIND A DISTRIBUTOR

- Visit www.humphrey-products.com, select "Find A Distributor," and input your information to locate a distributor nearest you.
- Or, call Customer Service at 1-800-477-8707 for the name and phone number of your local distributor.

Humphrey **HUMPHREY PRODUCTS ARE SOLD WORLD-WIDE THROUGH AUTHORIZED DISTRIBUTORS**

SPECIFICATIONS FOR 501V AND 500C

Design Principle:	Pressure Unbalanced, Air Return, Spring Assist
Porting Type:	3-Way
Port Size:	1/2 PIPE
Media:	Air, Inert Gas
Pressure Range:	0–125 PSIG
Temperature Range:	-20°F to 225°F
Flow @100 PSIG:	501: 220 CFM, 6229 LPM (Cv=3.5) 500: 160 CFM, 4530 LPM (Cv=2.7)