

TAKE CONTROL

Take control with Muncie Power Products' V080 directional control valve. The V080 is constructed with high grade iron castings and nickel-plated spools for use in high pressure applications and can be configured with many different spool, control and positioner options.

The V080 is designed for flow rates up to 30 GPM (114 LPM), and offers superior performance in a compact package. Muncie Power Products takes pride in supplying the highest quality products along with outstanding service & support.

Muncie Power Products offers
a full line of valve options
and accessories. If you don't
see what you need here,
give our customer service
department a call for your
specific application needs.

(800) 367-7867





FEATURES

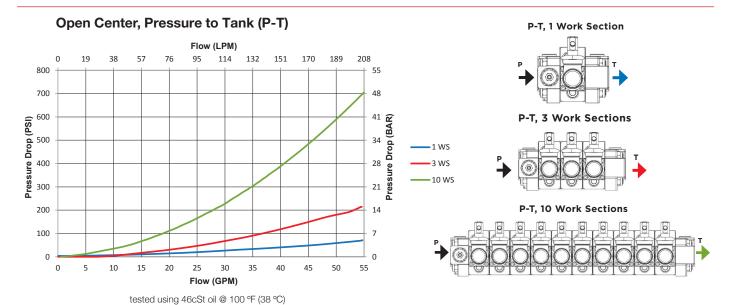
- High grade iron castings allow for high pressure capabilities for the most extreme applications
- Nickel plated spools resist wear allowing for long life under high pressure conditions
- Tight tolerances and precision machining keep internal, spool leakages low
- Internal oil core design allows for higher flow rates and low pressure drops, all in a smaller package
- High pressure carry over (power beyond) and closed center options available
- Load-checks are standard on all work sections

- Work port relief valves, anti-cavitation valves, combination relief/ anti-cavitation valves and pilot operated check valves (lock valves) are available for your individual work section protection needs.
- Inlet relief valve is standard
- Parallel, series, tandem and metered spools available (lead times apply to non-standard options)
- Very versatile design can be configured with many different spool, control, positioner and accessory options
- Work sections are pre-assembled and 100% tested prior to shipping

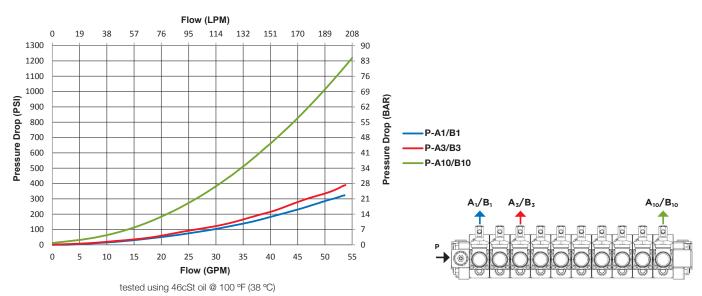
TECH SPECS

Design Type	Sectional	
Maximum Work Sections	10	
Circuit Types	Open center parallel, series, tandem and closed center	
Flow Capacity	Nominal: 34 GPM (13 0LPM)	
	Maximum: 55 GPM (208 LPM)	
Maximum Pressure	1 - 3 sections: 5,440 PSI (375 BAR)	
	4 - 6 sections: 5,075 PSI (350 BAR)	
	7 - 10 sections: 4,710 PSI (325 BAR)	
Maximum Back Pressure	365 PSI (25 BAR)	
Recommended Filtration	20 / 18 / 15 (ISO 4406:1999)	
Oil Viscosity Range	60 to 1,950 SUS (10 to 400 cSt)	
Oil Temperature Range	-20 to 180 °F (-29 to 82 °C)	
Recommended Oil Temperature	85 to 140 °F (30 to 60 °C)	
Approximate Weights	Inlet: 13.2 lbs. (6 Kg)	
(Standard Options)	Outlet: 10.6 lbs. (4.8 Kg)	
	Work Section: 12.8 lbs. (5.8 Kg)	

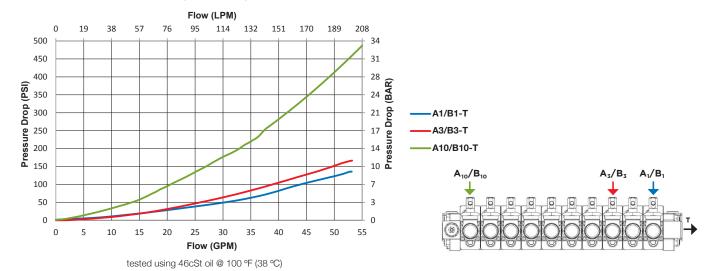
PRESSURE DROP CURVES



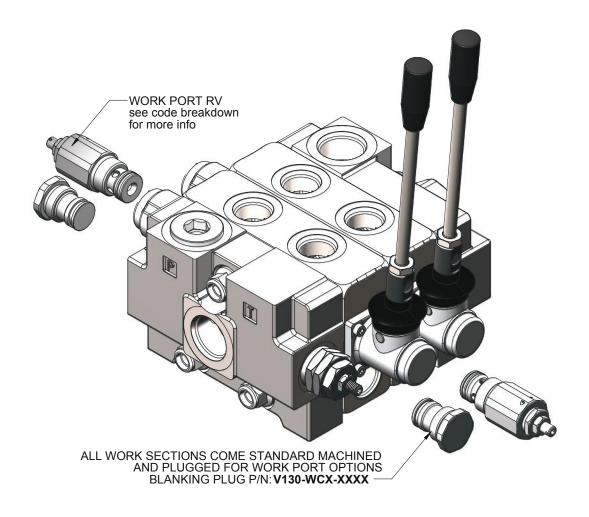
Pressure to Work Ports $(P - A_x/B_x)$



Work Ports to Tank $(A_x/B_x - T)$



WORK PORT OPTIONS



ORDER EXAMPLE

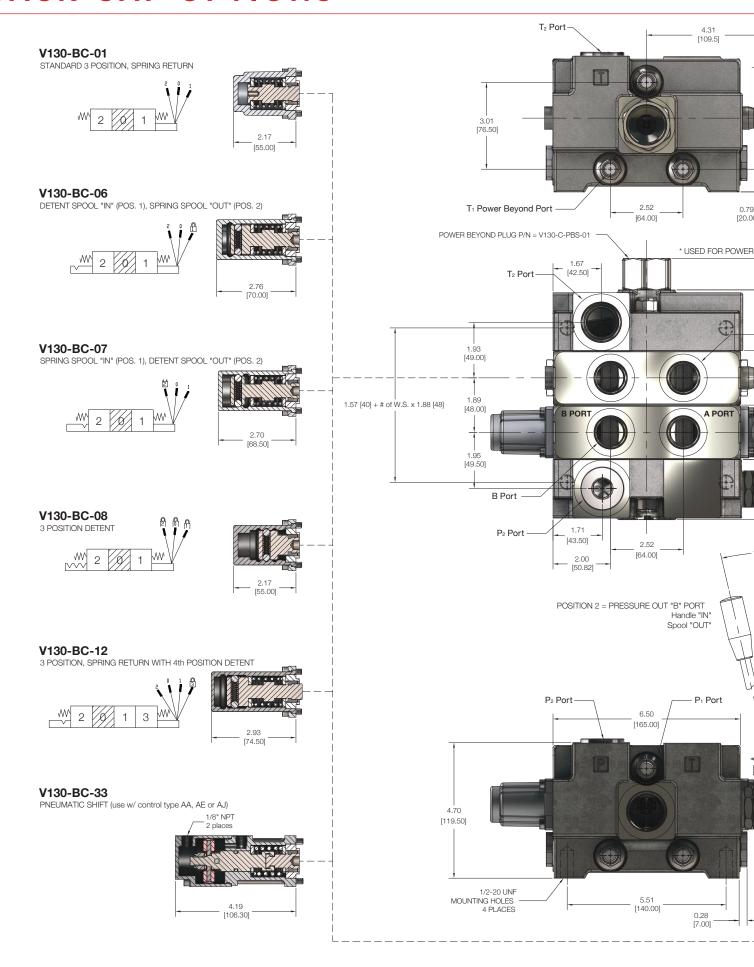
If you would like to order a valve assembly, you will have to order each item separately. The order in which parts are entered is how the valve will be built from left to right. On the right is an example of a 3 work section valve order:

Part Number	Qty.	Description
V130-A-GI-7SX-N150	1	Inlet with relief valve
V130-AC-AA-01-GI-02-X	2	Work section 1 & 2
V130-AC-AJ-01-GI-05-X	1	Work section 3
VLVH-01A-210	2	8.25" (210mm) handle kits for WS 1 & 2
V130-C-GI-3DX-XXX	1	Standard outlet
V130-T03	1	Stud kit for 3 section assembly

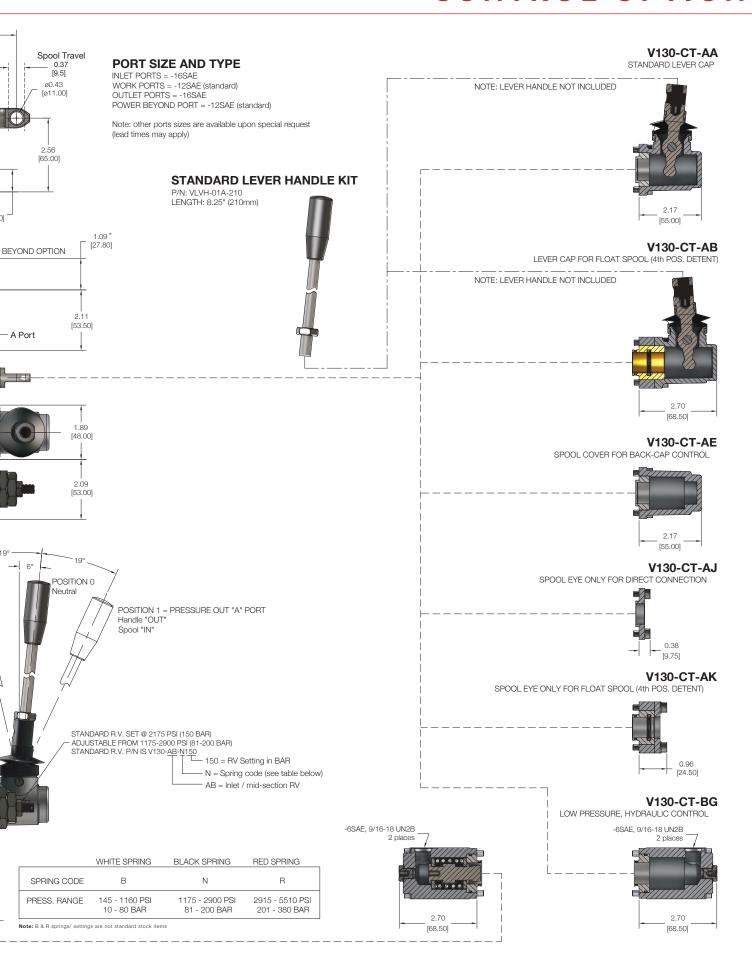
N = Adjustable from 1,175-2,900 PSI (81-200 BAR) R = Adjustable from 2,915-5,510 PSI (201-380 BAR)

X = for plug and anti-cav only options

BACK-CAP OPTIONS

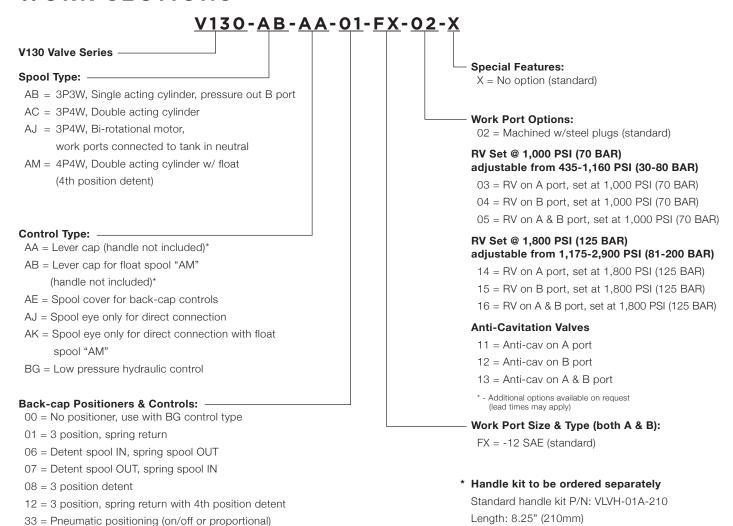


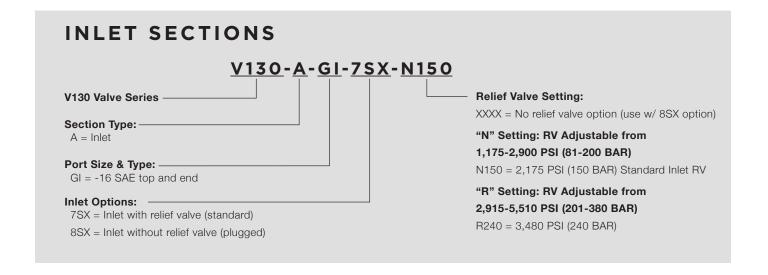
CONTROL OPTIONS



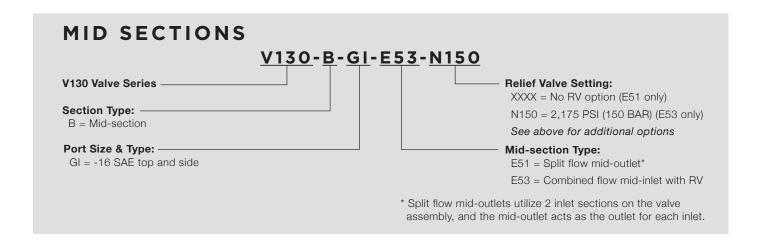
MODEL NUMBER CONSTRUCTION

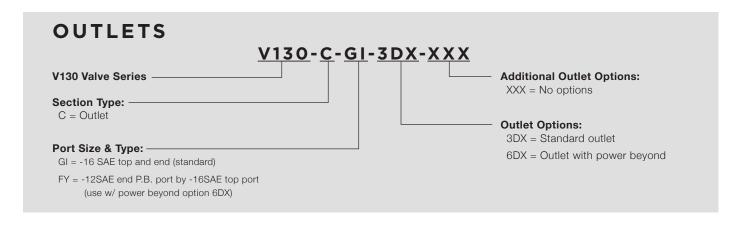
WORK SECTIONS

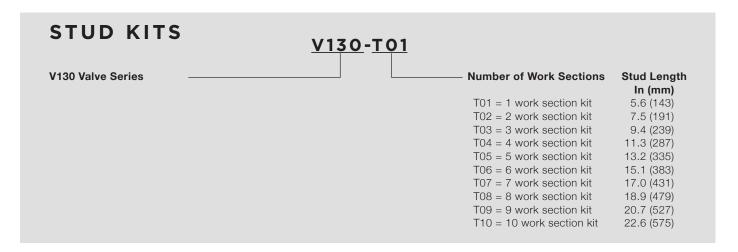




V130 Valve Series V130 Valve Series Relief Valve Plug Option: XXXX = Steel plug (replaces relief valve) N150 = RV set at 2,175 PSI (150 BAR) R240 = RV set at 3,480 PSI (240 BAR) (See "Inlet Sections, Relief Valve Setting" for relief valve adjustment ranges.)







NOTES



WARRANTY

Muncie's V130 Valve Series is warranted against any defect in materail and workmanship which existed at the time of sale by Muncie Power Products, according to the following provision, subject to the requirements that the valve must be used only in accordance with catalog and package instructions. The valve is warranted for a period of one year from date of installation. If during the warranty period the valve fails to operate to Muncie Power Products' specifications due to a defect in any part in material or workmanship that existed at the time of sale by Muncie Power Products, the defective part will be repaired or replaced, at Muncie Power Products' election, at no charge, if the defective part is returned to Muncie Power Products with transportation prepaid.

WARNING: The warranty shall terminate if any alterations or repairs are made to the valve other than at a Muncie Power Products facility, or if the valve is used on any equipment other than the equipment upon which first installed.

The foregoing warranties are in lieu of all other obligations and liabilities, including negligence and all warranties of merchantability and suitability, expressed or implied and state Muncie Power Products' entire and exclusive liability and buyer's exclusive remedy for any claim of damages in connection with the sale, repair or replacement of above goods, their design, installation or operation. Muncie Power Products will in no event be liable for any direct, indirect, special, incidental or consequential damages whatsoever, and our liability under no circumstances will exceed the contract price for the goods for which liability is claimed.

