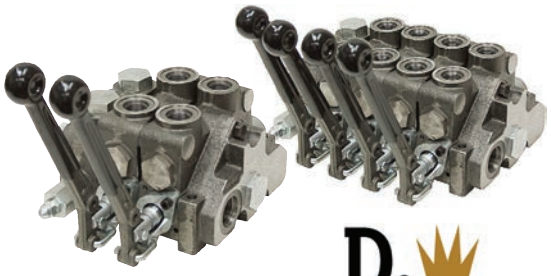
Prince 20 Series Control Valves



• Brand new, Prince Hydraulics 20 Series valves. Interchangeable mounting with other popular brands of "20" GPM valves. All sections have load check on each work port. Extra fine metering capabilites, chrome plated spools. Outlet can be at either end of valve. Inlet section has both top and side inlet/outlet ports.
• Parallel circuit. Rubber covered cast iron handles. Available in open center, open center with power beyond and closed center versions. Furnished unassembled with handles and all necessary bolt kits and seals. See page 25 for joystick operators, remote cables and adapters for use with 20 Series valves.

SPECIFICATIONS

- Flow rate 20 GPM nominal
- Pressure 3500 PSI max inlet, 500 PSI max discharge
- Available with 1-7 work sections
- Inlet/Outlet ports SAE 12
- Power Beyond port SAE 10
- Work ports SAE 10
- Relief valve 2201-3000 PSI preset 2500 (open center and power beyond only)
- Mounting 3 thru holes (1 on inlet, 2 on outlet)

To Order:

1. Fill in how many spools you need.
2. Fill in valve option.
3. Determine order of spool(s).
4. Determine type of spool(s).
5. Add the price of valve option and each spool type for total cost.

ITEM 9-20 - ❑ - ❑ - ❑❑❑❑❑❑❑❑❑❑

Total number of spools — Valve Type — Spool Type Designations

Please see example on page 24 for how to order.

Valve Types

X	Open center with inlet relief	***$204.00***
Y	Open center with inlet relief and Power Beyond	***$213.00***
Z	Closed center (no relief valve)	***$175.00***

Spool Types

A	Single acting cylinder, spring centered	***$157.00***
B	Double acting cylinder, spring centered	***$150.00***
C	Double acting, cylinder 3 position mechanical detent	***$155.00***
D	Double Acting Cylinder, spring centered w/detented Float position	***$195.00***
E	Motor Spool, (work ports open to tank in neutral)spring centered	***$157.00***
F	Motor Spool, (work ports open to tank in neutral), 3 position mechanical detent	***$162.00***
L	Double Acting Cylinder,spring center w/pilot operated checks	***$215.00***

Assembled Valve Dimensions

# Work Sections	*Size*	*Mtg. Pattern*	*Shpg.*
1 Spool	4⅞" x 8⅝" x 4⅜"	5⅜" x 2½"	**26 lbs.**
2 Spool	6⅝" x 8⅝" x 4⅜"	5⅜" x 4¼"	**37 lbs.**
3 Spool	8⅜" x 8⅝" x 4⅜"	5⅜" x 6"	**48 lbs.**
4 Spool	10⅛" x 8⅝" x 4⅜"	5⅜" x 7¾"	**59 lbs.**
5 Spool	11⅞" x 8⅝" x 4⅜"	5⅜" x 9½"	**70 lbs.**
6 Spool	13⅝" x 8⅝" x 4⅜"	5⅜" x 11¼"	**80 lbs.**
7 Spool	15⅜" x 8⅝" x 4⅜"	5⅜" x 13"	**90 lbs.**
8 Spool	17⅛" x 8⅝" x 4⅜"	5⅜" x 14¾"	**100 lbs.**
9 Spool	18⅞" x 8⅝" x 4⅜"	5⅜" x 16½"	**110 lbs.**
10 Spool	20⅝" x 8⅝" x 4⅜"	5⅜" x 18¼"	**120 lbs.**

Prince 20 Series Load Sense Control Valve

• Brand new Prince "20" Series hydraulic load sense control valve. Interchangeable with other popular brands of 20 GPM sectional valves.
• Use with a pressure-flow compensated pump with load sensing. Load sense port on outlet section.
• Parallel circuit. Very fine metering for precise control. All work sections have load checks. Furnished with handle, bolt kit and all o-rings to seal between sections. Inlet section has both top and side inlet and outlet ports. Outlet section has side ports.

SPECIFICATIONS

- Flow rate 20 GPM nominal
- Pressure 3500 PSI max inlet, 500 PSI max discharge
- No relief valve
- Available with 1-7 work sections
- Inlet/Outlet ports SAE 12
- Load sense port SAE 4 w/drain orifice
- Work ports SAE 10
- Mounting 3 thru holes (1 on inlet, 2 on outlet)

To Order:

1. Fill in how many spools you need.
2. Fill in valve option.
3. Determine order of spool(s).
4. Determine type of spool(s).
5. Add the price of valve option and each spool type for total cost.

ITEM 9-20 - ❑ - LS - ❑❑❑❑❑❑❑❑❑❑

Total number of spools — Valve Type — Spool Type Designations

Please see example on page 24 for how to order.

Valve Type

LS	Load sense	***$236.00***

Spool Types

A	Single acting cylinder, spring centered	***$179.00***
B	Double acting cylinder, spring centered	***$172.00***
C	Double acting, cylinder 3 position mechanical detent	***$177.00***
D	Double Acting Cylinder, spring centered w/detented Float position	***$207.00***
E	Motor Spool, (work ports open to tank in neutral) spring centered	***$179.00***
F	Motor Spool, (work ports open to tank in neutral), 3 position mechanical detent	***$185.00***

Assembled Valve Dimensions

# Work Sections	*Size*	*Mtg. Pattern*	*Shpg.*
1 Spool	4⅞" x 8⅝" x 4¼"	5⅜" x 2½"	**16 lbs.**
2 Spool	6⅝" x 8⅝" x 4¼"	5⅜" x 4¼"	**23 lbs.**
3 Spool	8⅜" x 8⅝" x 4¼"	5⅜" x 6"	**30 lbs.**
4 Spool	10⅛" x 8⅝" x 4¼"	5⅜" x 7¾"	**37 lbs.**
5 Spool	11⅞" x 8⅝" x 4¼"	5⅜" x 9½"	**44 lbs.**
6 Spool	13⅝" x 8⅝" x 4¼"	5⅜" x 11¼"	**50 lbs.**
7 Spool	15⅜" x 8⅝" x 4¼"	5⅜" x 13"	**57 lbs.**