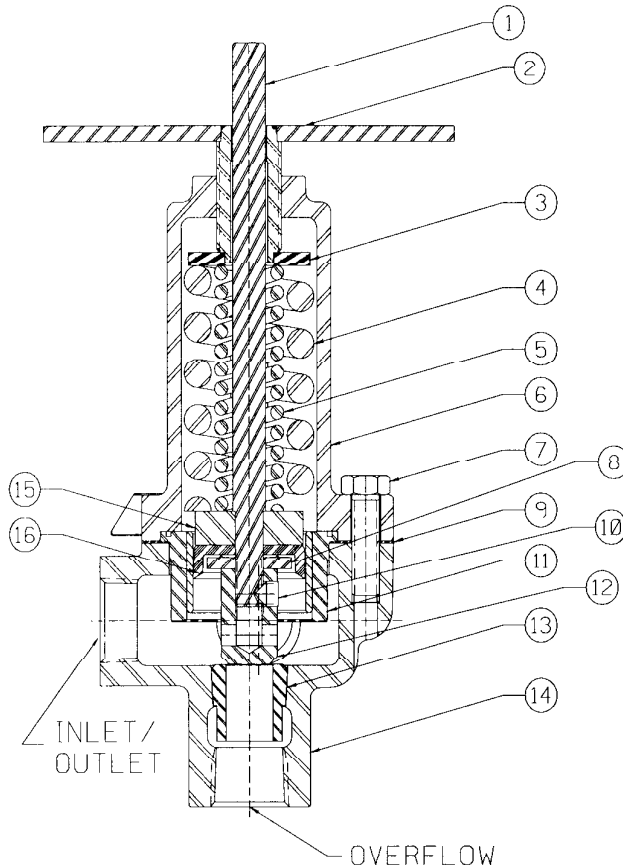




BEAN® Regulator Valve

Part# 1207620



Parts List for 1207620

Item No.	Part No.	Description	Qty
1	1207621	Valve Stem	1
2	1208384	Adjusting Nut and Handle	1
3	1207623	Spring Cap	1
4	1207638	Outer Spring	1
5	1207639	Inner Spring	1
6	30402	Spring Housing	1
7	1100043	Capscrew	3
8	30398	Plunger Washer	1
9	28098	Gasket	1
10	320383	Set Screw	1
11	1268474	Sleeve and Cylinder Assembly	1
12	28090	Valve	1
13	28089	Valve Seat	1
14	27670	Valve Body	1
15	1207624	Spring Seat	1
16	1270058	Packing Cup	1
17*	1251513	Valve Stem Assembly	1
18	1283340	Nameplate (Not Shown)	1

* Complete Stem Assembly Consists of Items 1, 8, 10, 12, 15, 16.

** Service Repair Kit # 5256493 Consists of Items 9, 10, 12, 13, 16.

SPECIFICATIONS:

Capacity	40 gpm
Pressure Range	50-800 psi
Height	9-1/2 inches
Width	4 inches
Weight	7-1/2 lb
Inlet/Outlet	3/4 inch Female NPT NPT (3 Ports)
Overflow	3/4 inch Female NPT NPT (4 Ports)

MATERIALS:

Brass Adjusting Nut
Carbon Steel Spring Cap
Oil Tempered Steel Springs (Two)
Ceramic Lined Cylinder
Carbon Steel Valve Stem
Carbon Steel Spring Seat
Cast Iron Spring Housing
Nitrile Packing Cup
Stainless Steel Valve Seat
Ductile Iron Valve Body



Warning and Safety Instructions

FMC cannot anticipate all of the situations a user may encounter while installing and using FMC products. Therefore, the user of FMC products **MUST** know and follow all applicable industry specifications on the safe installation and use of these products. Refer to FMC product catalogues, product brochures and installation, operating and maintenance manuals for additional product safety information or contact FMC at 800/772-8582.

WARNING: FAILURE TO FOLLOW THESE WARNINGS COULD RESULT IN SERIOUS INJURY OR DEATH!

1. Do not mix or assemble components, parts or end connections with different pressure ratings.
Mismatched parts may fail under pressure.
2. Do not use or substitute non FMC components or parts in FMC products and assemblies.
3. Do not strike, tighten or loosen pressurized components or connections.
4. Do not exceed the rated working pressure of the product.
5. Complete and proper make-up of components and connections is required to attain rated working pressure.
6. Do not use severely worn, eroded or corroded products. Contact FMC for more information on how to identify the limits of erosion and corrosion.
7. Follow safe practices when using products in overhead applications. Products not properly secured could fall.
8. Select only appropriate product and materials for the intended service:
 - Do not expose standard service products to sour gas fluids. (Refer to NACE MR0175)
 - Do not interchange sour gas with standard service components.
 - Use appropriate safety precautions when working with ferrous products in below freezing temperatures. Freezing temperatures lower the impact strength of ferrous materials.
9. Follow manufacturers' instructions and Material Safety Data Sheet directions when using solvents.
10. Make certain that personnel and facilities are protected from residual hazardous fluids before disassembly of any product.
11. If any leakage is detected from FMC products, remove them from service immediately to prevent potential damage and personal injury.

SAFETY INSTRUCTIONS: The applications of FMC products are in working environments where general personnel safety procedures and policies **MUST** be followed. Always use appropriate protective equipment in high pressure, extreme temperature or severe service applications.



Regulator Valve

General Operating Instructions

This regulator valve controls the operating pressure of the pump. When the discharge line is shut off or is restricted by a small orifice, such as in a spray gun or nozzle, the regulator valve by-passes the surplus solution through the overflow line. This maintains the preset pressure in the pumping system.

To adjust the pressure, turn the adjusting screw to the right (clockwise) to increase the pressure and to the left (counterclockwise) to decrease the pressure in the discharge line. See specifications on the front cover for maximum operating pressure.

The regulator valve will seldom require adjustment or servicing after the original pressure setting. Should the valve begin to leak through the openings in the spring housing or should the pressure begin to drop, it will be necessary to replace the packing cup as suggested below:

WARNING: REMOVE ALL PRESSURE FROM THE SYSTEM BEFORE BEGINNING ANY MAINTENANCE.

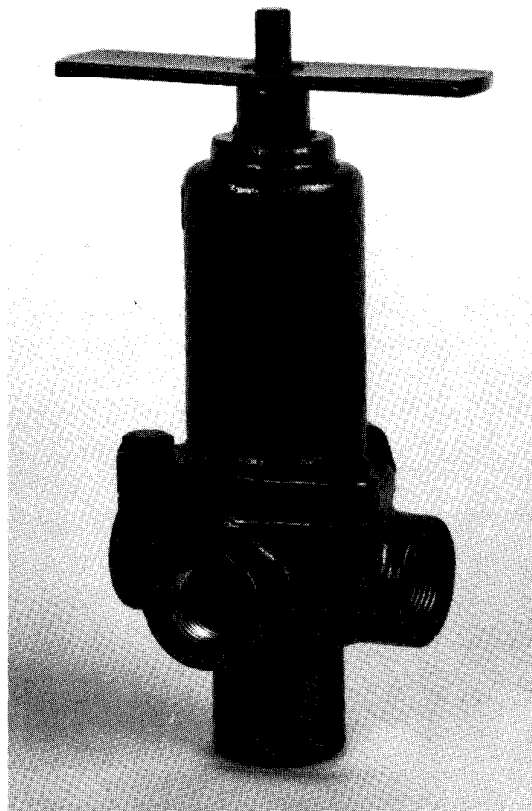
1. Relieve the tension on the spring(s) by unscrewing the adjusting screw. Make certain all tension is relieved and the spring(s) is free to move.
2. Remove the capscrews and lockwashers, if present, holding the spring housing and the valve body together.
3. Remove the spring housing and the valve stem assembly being CAREFUL not to drop the sleeve and cylinder assembly.
4. Remove the set screw in the valve and unscrew the valve from the stem. Remove the packing washer and the old packing from the stem.

Clean all parts thoroughly -- replace worn or damaged parts with Bean exact replacement parts.

Lubricate the packing cup and reassemble all parts in their exact former positions. Lubricate the adjusting screw and spring housing threads with anti-seize thread compound.

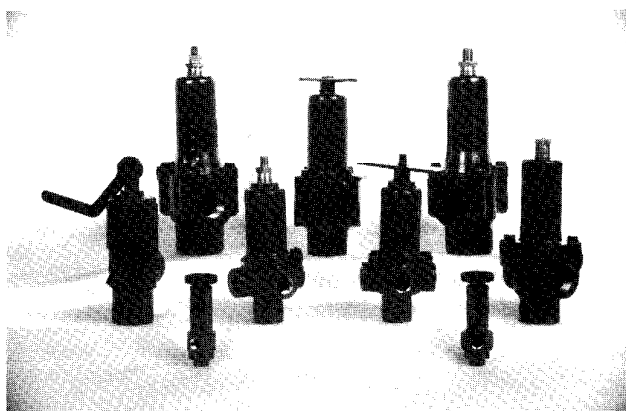
See front cover for specifications and parts list.

After reassembly, verify proper valve operation and adjust to the specified pressure setting.



Regulator Valve Applications

- Coal Mining
- Core Drilling
- Agriculture
- Directional Drilling
- General Industry



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