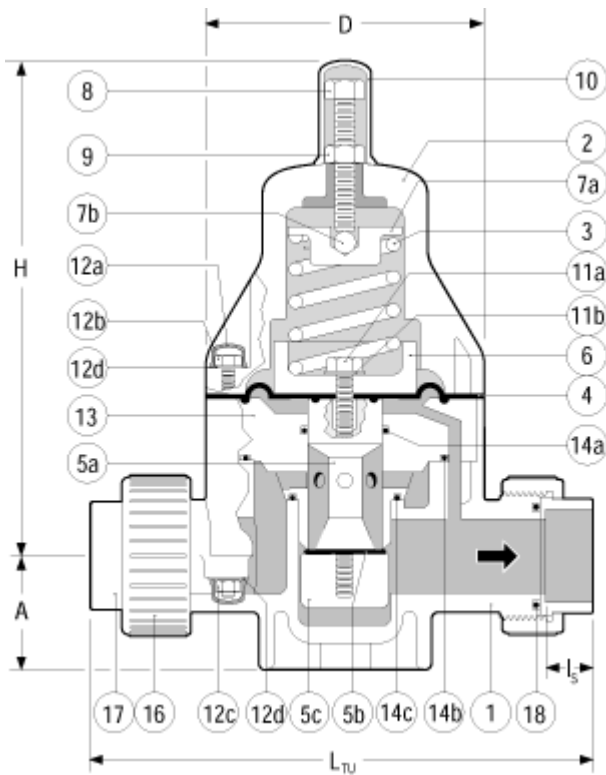
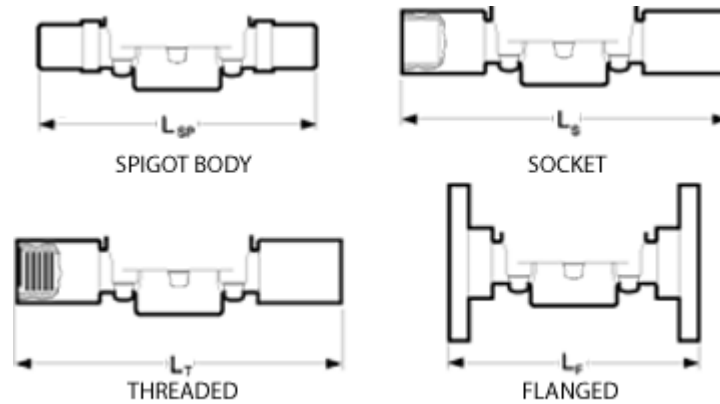


SR50 PRESSURE REGULATING VALVES 1/2" to 2" DATASHEET



| No | Part | Material |
|-----|------------------------|-------------------------|
| 1 | Body | PVC,PP,PVDF |
| 2 | Bonnet | PPG |
| 3 | Spring | 304 SS |
| 4 | Control Diaphragm | Teflon PTFE bonded EPDM |
| 5a | Piston | PVC,PP,PVDF |
| 5b | Seat | EPDM Viton |
| 5c | Seat Retainer | PVDF |
| 6 | Lower Spring Retainer | PPG |
| 7a | Upper Spring Retainer | Cad plated steel |
| 7b | Ball | 304 SS |
| 8 | Spring Tensioning Bolt | 304 SS |
| 9 | Lock Nut | 304 SS |
| 10 | Spring Bolt Cap | PE |
| 11a | Piston Bolt | 304 SS |
| 11b | Piston Bolt Washer | 304 SS |
| 12a | Bolt/Nut Caps | PE |
| 12b | Hex Bolt | 304 SS |
| 12c | Hex Nut | 304 SS |
| 12d | Washer | 304 SS |
| 13 | Piston Guide | PVC, PP, PVDF |
| 14a | Small Guide O Ring | Viton, EPDM |
| 14b | Large Guide O Ring | Viton, EPDM |
| 14c | Med Guide O Ring | Viton, EPDM |
| 16 | Union Nut | PVC, PP, PVDF |
| 17 | End Connector | PVC, PP, PVDF |
| 18 | Face O Ring | Viton, EPDM |

NON UNION ENDS



DIMENSIONS inches

| Size | | | PVC | | | | | | | PP and PVDF | | | USGPM Flow 1psi diff |
|----------|-----|------|-----|----------------|-----------------|-----------------|----------------|----------------|----------------|-------------|-----------------|-----------------|-------------------------|
| | D | H | A | I _s | L _{TU} | L _{SP} | L _S | L _T | L _F | A | L _{SP} | L _{TU} | |
| 3/8 in | 3.2 | 6.9 | 1.0 | 0.6 | 6.5 | 5.7 | 7.4 | 7.2 | 4.5 | 0.9 | 5.7 | NA | 2.1 |
| 1/2 in | 3.2 | 6.9 | 1.0 | 0.6 | 6.8 | 5.7 | 8.0 | 7.8 | 6.3 | 0.9 | 5.7 | 7.1 | 3.0 |
| 3/4 in | 4.2 | 8.0 | 1.5 | 0.7 | 8.3 | 6.9 | 9.3 | 8.9 | 7.4 | 1.4 | 6.9 | 8.4 | 6.6 |
| 1 in | 4.2 | 8.0 | 1.5 | 0.9 | 8.5 | 6.9 | 9.6 | 9.3 | 7.4 | 1.4 | 6.9 | 8.7 | 8.7 |
| 1-1/4 in | 5.8 | 10.3 | 2.2 | 1.0 | 10.9 | 8.8 | 11.6 | 11.2 | 9.2 | 2.1 | 8.8 | 10.9 | 18.0 |
| 1-1/2 in | 5.8 | 10.3 | 2.2 | 1.2 | 11.1 | 8.8 | 12.2 | 11.5 | 9.5 | 2.1 | 8.8 | 11.2 | 20.0 |
| 2 in | 5.8 | 10.3 | 2.2 | 1.5 | 11.3 | 9.6 | 12.9 | 12.0 | 10.0 | 2.1 | 9.6 | 13.2 | 21.4 |

MAXIMUM PRESSURES psi

| Size | PVC | | | | Polypropylene | | | | | PVDF | | | | | |
|-------------|--------------|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|--------------|---------------|---------------|---------------|---------------|----------------|
| | 20°C 68°F | 30°C 86°F | 40°C 104°F | 50°C 122°F | 30°C 86°F | 40°C 104°F | 50°C 122°F | 60°C 140°F | 70°C 158°F | 30°C 86°F | 50°C 122°F | 70°C 158°F | 80°C 176°F | 90°C 194°F | 100°C 112°F |
| 1/2in - 2in | 150 | 105 | 60 | 15 | 150 | 90 | 60 | 35 | 15 | 150 | 100 | 60 | 45 | 30 | 15 |