



INDUSTRIAL FLUID POWER COMPONENTS  
AND SYSTEMS



## ***C20 SERIES***

### **Steel Check Valves**

C20-8FP-7



C20-12FP-7



## Specifications

1. 3/8" thru 2" NPT or SAE ports
2. 3000 psi (210 Bar) maximum pressure
3. 7 psi cracking pressure standard
4. 70 psi cracking pressure available 1" thru 2"
5. Recommended for petroleum based fluids- ISO VG32-68
6. Recommended filtration- 10 micron
7. Cold starts: 250 SUS maximum viscosity
8. **Maximum Temperature:** 180°F, (82.2°C) or at minimum fluid viscosity of 80 SUS

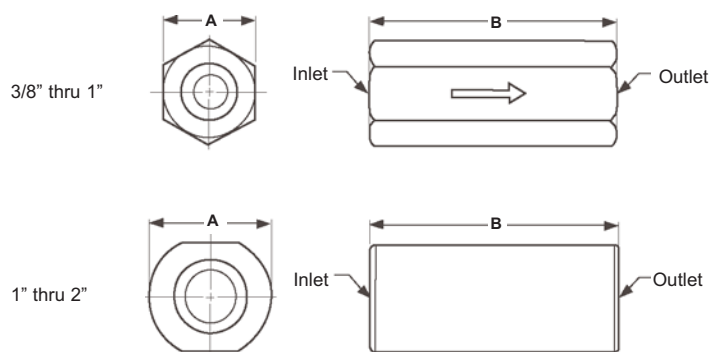


C20-8FP-7



C20-12FP-7

## Dimensional Data



| Size      | A    | B    | Weight |
|-----------|------|------|--------|
| 3/8"      | 1    | 2.76 | .66    |
| 1/2"      | 1.14 | 3.23 | 1.1    |
| 3/4"      | 1.75 | 3.60 | 1.8    |
| 1"        | 2.01 | 4.41 | 2.2    |
| 1" (C20L) | 2.01 | 5.41 | 2.7    |
| 1-1/4"    | 2.28 | 5.20 | 4.7    |
| 1-1/2"    | 2.52 | 5.51 | 7.2    |
| 2"        | 3.15 | 6.14 | 11.0   |

Units: Inches/ lbs

## Ordering Information

### C20 - 12FP - FP - 7

| Style                                                                                               | Size               | Connection              | Function                             |
|-----------------------------------------------------------------------------------------------------|--------------------|-------------------------|--------------------------------------|
| <b>C20</b> = Standard                                                                               | <b>6</b> = 3/8"    | <b>FP</b> = Female Pipe | <b>omit</b> = Not Applicable         |
| <b>C20L</b> = 1" extra nose length for up stream tapping                                            | <b>8</b> = 1/2"    | <b>FS</b> = Female SAE  | <b>7</b> = 7 psi cracking            |
| <b>C20LL</b> = 1" extra nose length for up stream plus 1" extra butt length for down stream tapping | <b>12</b> = 3/4"   |                         | <b>70</b> = 70 psi cracking (@1 gpm) |
|                                                                                                     | <b>16</b> = 1"     |                         |                                      |
|                                                                                                     | <b>20</b> = 1-1/4" |                         |                                      |
|                                                                                                     | <b>24</b> = 1-1/2" |                         |                                      |
|                                                                                                     | <b>32</b> = 2"     |                         |                                      |

Only size 16 available code L at this time.  
Size 20 also available soon.