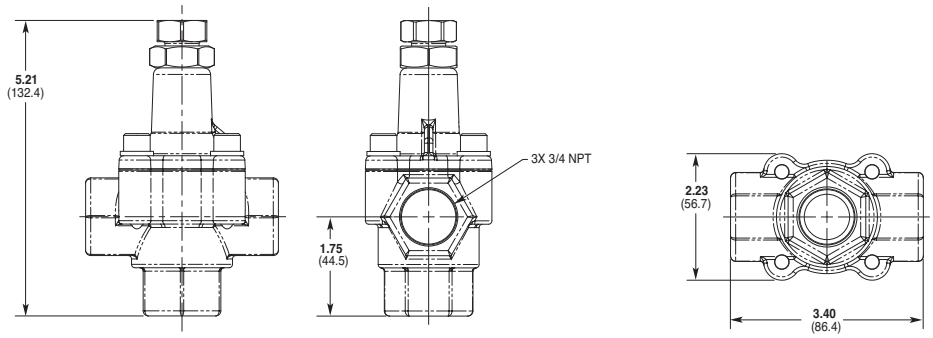
C20 Series Valves

Dimensions

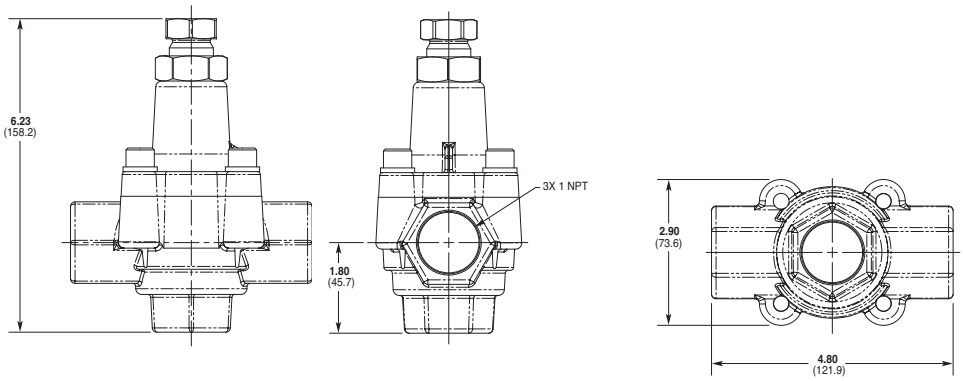
C22 valve with Brass body

C22 with 3/4" NPT Ports Inches (mm)



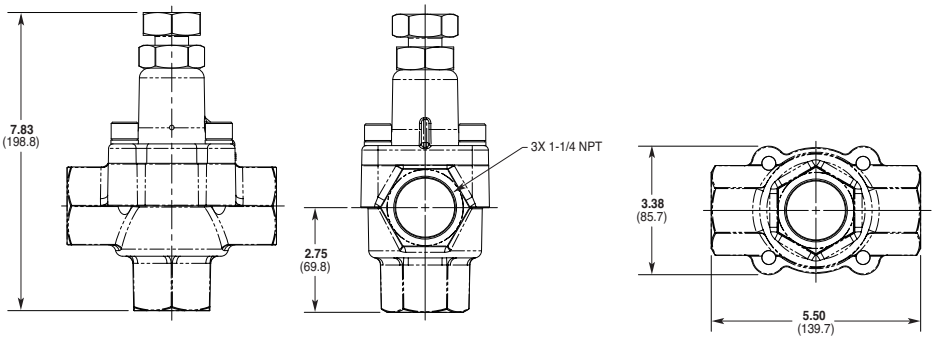
C23 valve with Stainless Steel body

C23 with 1" NPT Ports Inches (mm)



C24 valve with Brass body

C24 with 1-1/4" NPT Ports Inches (mm)



C20 Series Valves How to Order

Ordering Information

1	2	3	4	5	6	7	8	9	10	11

A complete C22, C23 or C24 Model Number contains 11 digits of customer-specified design options, for example: C22AABNSSEF.

Digit	Order Code	Description
1-4		**Valve Configuration & Capacities**
	C22A	3-10 gpm (11.3-37.8 l/min) NPT Ports
	C23A	3-20 gpm (11.3-75.7 l/min) NPT Ports
	C24A	5-40 gpm (18.9-151.4 l/min) NPT Ports
5		**Pressure Range (Spring Selection)**
	A	75-500 psi (5-34 bar)
	B	500-1000 psi (34-69 bar)
	C	1000-1500 psi (69-103 bar)
6		**Body/Top Material**
	B	Brass/Plated Steel
	H	Hastelloy C/Plated Steel
	S	316L Stainless Steel/Plated Steel
7		**Seals/Back-up Seals**
	A	Urethane/UHMW Polyethylene
	B	FKM/UHMW Polyethylene
	E	EPDM/PTFE
	N	Buna-N/Buna-N
	V	FKM/PTFE
8		**Valve Seats**
	H	Hastelloy C
	R	316L Stainless Steel
	S	17-4 Stainless Steel
	T	Tungsten Carbide
9		**Plungers**
	H	Hastelloy C
	R	316L Stainless Steel
	S	17-4 Stainless Steel
	T	Tungsten Carbide
10		**Seat Size**
	E	For C22 Models
	J	For C23 Models
	N	For C24 Models
11		**Port Size**
	F	For C22 Models (3/4")
	G	For C23 Models (1")
	H	For C24 Models (1-1/4")

For reference on identifying metallic components of C20 Series plungers and plunger valve seats, see page 146.

Ratings and Specifications

Flow Capacity	**Maximum**		**Minimum**	
Model	**gpm**	**l/min**	**gpm**	**l/min**
C22	10.0	37.8	3.0	11.3
C23	20.0	75.7	3.0	11.3
C24	40.0	151.4	5.0	18.9

Pressure Range	**Model Configuration**		
(All Models)	**AA**	**AB**	**AC**
psi	75-500	500-1000	1000-1500
bar	5-34	34-69	69-103

Max. Temperature	200°F (93°C)
Inlet & Outlet Ports	
C22	3/4" NPT
C23	1" NPT
C24	1-1/4" NPT
Weight	
C22	3 lbs. (1.3 kg)
C23	6 lbs. (2.7 kg)
C24	10 lbs. (4.5 kg)

C20 Series valves can be used as a lower-cost alternative to C60 Series seal-less valves when higher discharge pressures are not required.

C22 valves are used with Hydra-Cell models D10 and D12.

C23 valves are used with Hydra-Cell model H25.

C24 valves are used with Hydra-Cell model D35.

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