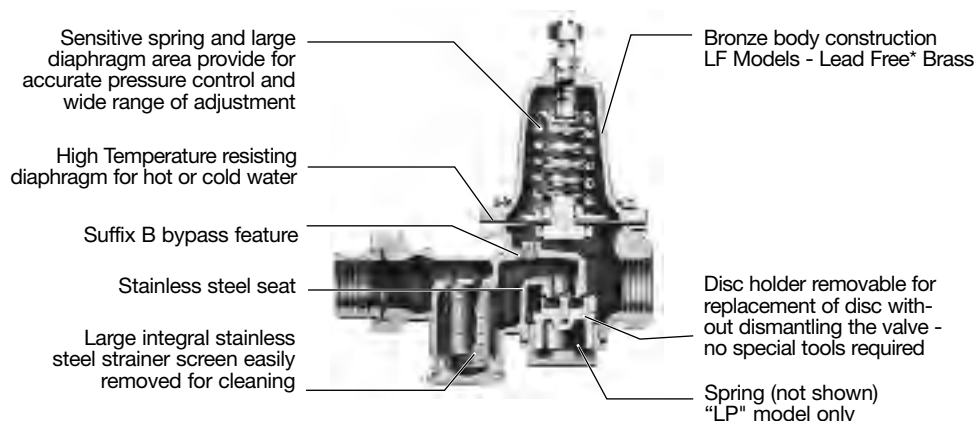


Series U5B and LFU5B

Water Pressure Reducing Valves

Sizes: 1/2" – 2" (15 – 50mm)

Series U5B and LFU5B Water Pressure Reducing Valves are designed to reduce incoming water pressure to a sensible level to protect plumbing system components and reduce water consumption. Lead Free* models are available with Lead Free* brass construction to comply with Lead Free* installation requirements. This series is suitable for water supply pressures up to 300psi (21 bar) and may be adjusted from 25 – 75psi (172 – 517 kPa). The standard setting is 50psi (345 kPa). All parts are quickly and easily serviceable without removing the valve from the line. The U5B-Z3's and LFU5B-Z3's standard bypass feature permits the flow of water back through the valve into the main when pressures, due to thermal expansion on the outlet side of the valve, exceed the pressure in the main.



Features

- Lead Free* models available
- Standard construction includes Z3 sealed epoxy coated spring cage and corrosion resistant adjusting and cage screws for accessible outdoors or pit installations
- Integral stainless steel strainer
- Replaceable seat module
- Bronze body construction
- Lead Free* models are constructed with Lead Free* brass body construction
- Serviceable in line
- Bypass feature controls thermal expansion pressure (U5B-Z3 and LFU5B-Z3)*
- High temperature resistant reinforced diaphragm for hot water

Models

U5B-Z3	NPT threaded female union inlet x NPT female outlet w/built in thermal expansion bypass
LFU5B-Z3	
U5B-S-Z3	Solder union inlet x NPT female outlet w/built in thermal expansion bypass
LFU5B-S-Z3	
5M3-Z6	Water meter threaded connections and 7 1/2" (190mm) lay length for new or existing meter box installations. For 5/8" (16mm), 5/8" x 3/4" (16 x 20mm) or 3/4" (20mm) meter setters or reletters
U5B-QC-Z3	Quick-Connect Single-
LFU5B-QC-Z3	Union-Inlet end

Options

add Suffix:

- G Gauge tapping 1/8" (3mm)
- GG Gauge tapping and 160psi (11 bar) gauge
- HP High pressure range 75 – 100psi (5.3 – 6.9 bar)
- LP Low pressure range 10 – 35psi (69 – 241 kPa)

add Prefix:

- LF Lead Free* construction

*The wetted surface of this product contacted by consumable water contains less than one quarter of one percent (0.25%) of lead by weight.

Note: The bypass feature will not prevent the pressure relief valve from opening on the hot water supply system with pressures above 150psi.

Pressure – Temperature

Temperature Range: 33°F – 160°F
(0.5°C – 71°C)

Maximum Working Pressure: 300psi
(21 bar)

Adjustable Reduced Pressure Range:
25 – 75psi (172 – 517 kPa)

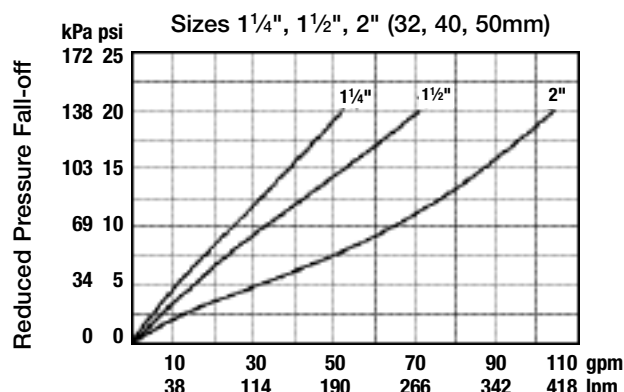
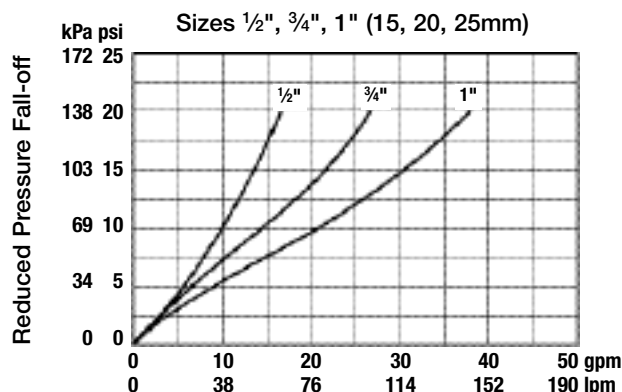
Standard Reduced Pressure Setting:
50psi (345 kPa)

Standards

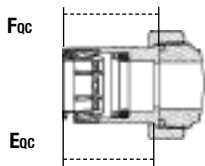


Meets requirements of ASSE Standard 1003; (ANSI A112.26.2); CSA Standard B356; Southern Standard Plumbing Code and listed by IAPMO.

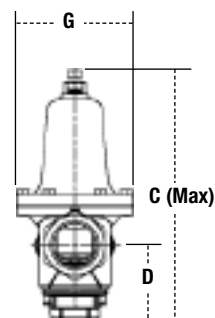
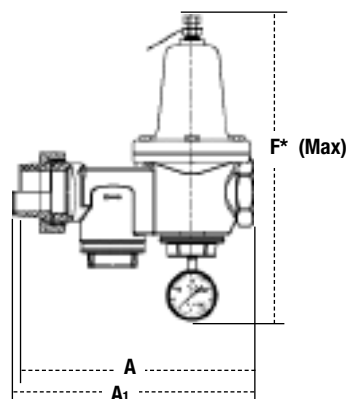
Capacity



Dimensions — Weights



- A - U5B-Z3/LFU5B-Z3
- A₁ - U5B-S-Z3/LFU5B-S-Z3
- Er - NPT Engagement for tight joint
- Es - Female sweat socket depth
- Eoc - Quick-Connect



SIZE (DN)		DIMENSIONS (APPROX.)																		WEIGHT			
		A		A1		C		D		G		Et		Es		Eoc		Foc		F †			
in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kgs.
½	15	5⅝	142.8	5½	139.7	5⅞	149.2	1⅝	41.2	3⅛	77.7	⅞	11.1	½	12.7	1⅞	36	1½	38	10¼	260.3	4	1.8
¾	20	6⅜	157.1	6¼	158.7	6⅞	174.6	1⅞	47.6	3½	88.9	½	12.7	¾	19	1⅞	40	1⅞	42	11½	292.1	5	2.3
1	25	6⅝	168.2	6¾	171.4	7⅜	187.3	2	50.8	4	101.6	⅞	14.2	⅞	22.2	1⅞	43	1¾	45	12⅝	307.9	6	2.7
1¼	32	7⅞	190.5	7⅞	195.2	8⅜	212.7	2¼	57.1	4½	113.3	⅝	15.8	1	25.4	—	—	—	—	13⅝	339.7	9.4	4.3
1½	40	9⅞	239.7	9¾	247.6	9⅝	238.1	2⅞	73	4¾	120.6	⅝	15.8	1⅞	28.5	—	—	—	—	15	381.0	14.4	6.5
2	50	10⅞	276.2	11½	292.1	12¼	311.1	3¼	82.5	6	152.4	⅝	15.8	1⅝	34.9	—	—	—	—	18¼	463.5	23	10.4

† Dimension includes optional gauge