

Application

The ZURN WILKINS Model 80CI is designed for installation on hydronic heating systems to reduce high inlet pressures to a lower reduced pressure. Equipped with a Quick Fill/Purge lever, The Model 80CI is capable of high capacity feeding and purging of boiler feed lines. The built-in check valve maintains a positive seal which prevents reverse water flow.

Materials

Main valve body Cast Iron ASTM A 126 Class B
 Bell housing Cast Iron ASTM A 126 Class B
 Strainer screen Stainless steel, 300 series

Features

Sizes: 1/2"
 Cast iron body & bell
 Maximum working water pressure 100 psi
 Maximum working water temperature 180° F
 Reduced pressure range 10 psi to 25 psi
 Factory preset 15 psi
 Threaded connections ANSI B1.20.1
 Copper connections (FC) ANSI B16.22



Model 80CI

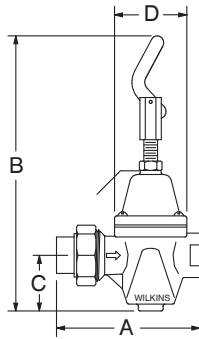
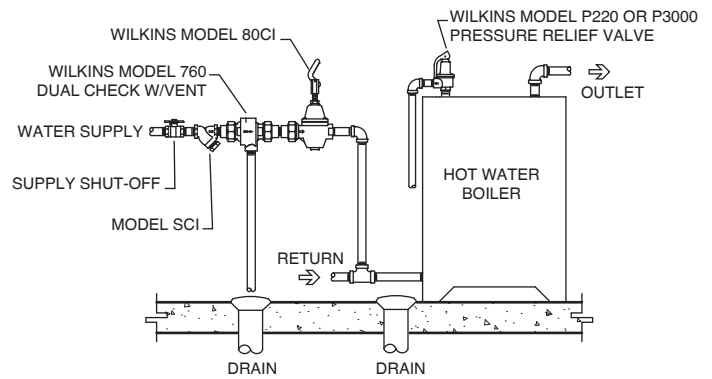
Options (Suffixes can be combined)

- standard with 20 mesh strainer screen
- C - female copper sweat
- LU - less union, female x female NPT

Accessories

- HXT - hydronic expansion tank

Typical Installation



Dimensions & Weights (do not include pkg.)

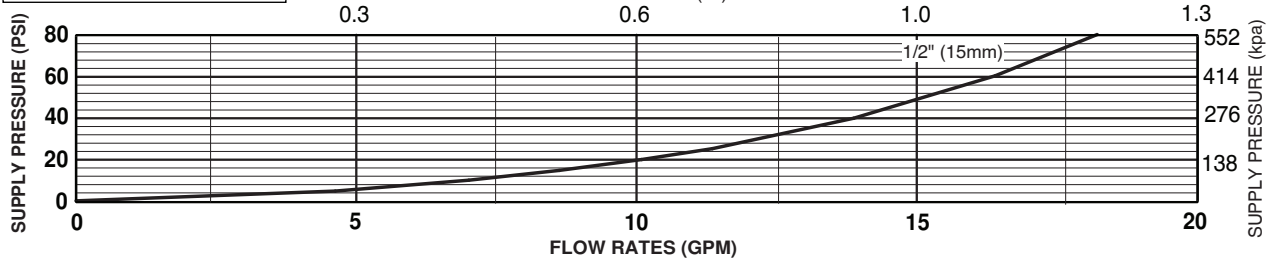
SIZE		CONNECTIONS	DIMENSIONS (approximate)								WEIGHT	
			A		B		C		D			
in.	mm		in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kg.
1/2	15	SINGLE UNION	4 3/8	111	7 5/16	185	1 5/8	41	2 3/8	60	3	1.5
1/2	15	LESS UNION	3 1/2	90	7 5/16	185	1 5/8	41	2 3/8	60	3	1.5

FLOW CHARACTERISTICS

MODEL 80CI 1/2" (STANDARD & METRIC)

FLOW RATES (l/s)

"Flow curves are based on a 50 psi pressure differential"



(The flow characteristics illustrate the boiler filling ability at various supply pressures with the Model 80 in a wide open position)