



## Forged Brass Ball Valve with Integrated Y-Strainer

### Product Overview

Valtrix make Ball Valve with Integrated Y-Strainer is a compact, multifunctional solution engineered specifically for FCU valve stations to simplify installation and enhance system reliability. Combining shutoff and straining functions in a single body, it ensures effective debris filtration while providing smooth, low-torque valve operation. The integrated design reduces leakage points, saves space, and streamlines maintenance, making it ideal for chilled water and HVAC distribution systems. Built with durable materials and precision components, it delivers consistent performance and long service life in demanding FCU applications.



### General Technical Specifications:

Parameter	Specification
Product Type	Forged Brass Ball Valve with Built-in Y-Type Strainer
Valve Sizes	DN15 to DN25 (½" to 1")
End Connection	Screwed Ends – BSP (ISO 228)
Pressure Rating	PN25
Flow Characteristic	Full Port
Operation	Lever Handle / Butterfly Handle
Temperature Range	-10°C to +120°C (depends on sealing material)
Media Compatibility	Water, Air, Oil, Non-corrosive Fluids
Design	2-piece Forged Brass Body with Integrated Strainer Pocket

### Material Construction & Standards:

Component	Material Options	Material Standards (Typical)
Body	Forged Brass	BS EN 12165 CW617N
Bonnet / End Cap	Forged Brass	BS EN 12165 CW617N
Ball	Chrome-Plated Brass / SS304	ASTM A276 / EN 12164
Seat (Ball)	PTFE	ASTM D4894
Stem / Spindle	Brass / SS304	EN 12164 / ASTM A276
Stem Packing	PTFE	ASTM D4894
Screen (Strainer)	SS304	AISI 304
Strainer Cap / Plug	Brass	EN 12164 CW617N
Handle	Steel with PVC Sleeve / Aluminum	Manufacturer Standard
O-rings	NBR / EPDM	ASTM D2000 / EN 681-1



### Performance Data:

Features	Details
Filtration Level (Strainer)	Typically 0.8–1.5 mm perforation (mesh optional)
Flow Direction	Bidirectional for Ball Valve; Strainer oriented as per arrow
Operating Torque	Low torque due to PTFE seats
Vacuum Suitability	Suitable up to limited vacuum (depends on seals)
Pressure Drop	Very low for ball valve; moderate across strainer element

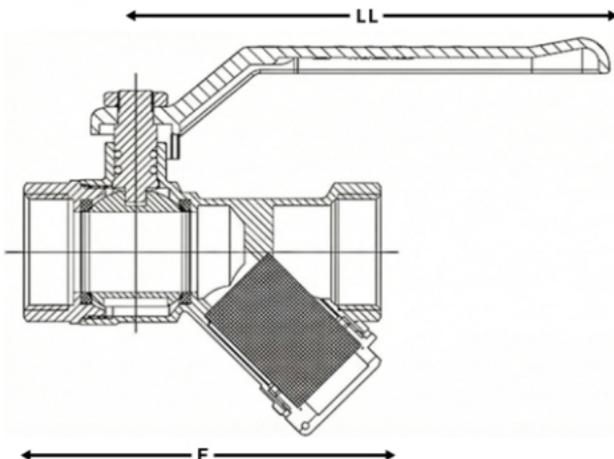
### Testing Data:

Test	Standard
Hydrostatic Shell Test	1.5 x Rated Pressure
Seat Leakage Test	1.1 x Rated Pressure

### Dimensions:

DN in mm	DN in inches	F±2	LL (Approx.)
15	1/2"	78	90
20	3/4"	94	105
25	1"	95	105

### Drawing:



### Notes:

Product images are for reference only; actual products may differ based on model and manufacturing variations. Dimensions and specifications are subject to change as part of ongoing product improvements. Please verify all details prior to placing an order.

