

**SPECIFICATION SHEET** 

# Series 857

## Double Check Valve Assemblies

**Sizes: 2½" and 3" (65 and 80mm)**

The FEBCO Series 857 Double Check Valve Assemblies shall be installed at referenced cross-connections to prevent the backflow of polluted water into the potable water supply. Only those cross-connections identified by local inspection authorities as non-health hazard shall be allowed the use of an approved double check valve assembly.

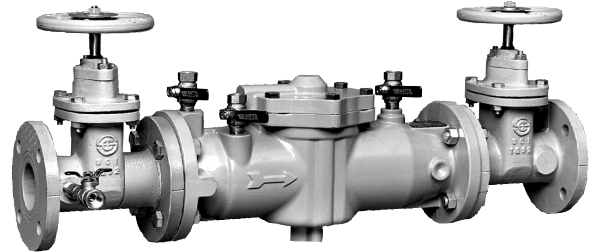
Check with local authority having jurisdiction regarding vertical orientation, frequency of testing or other installation requirements.

### Features

- Ease of maintenance — only one cover
- Top entry
- Replaceable seats and seat discs
- Modular construction
- Compact design
- Fused epoxy coated cast iron body
- Top mounted ball valve test cocks
- Low pressure drop
- No special tools required for servicing

### Specifications

A Double Check Valve Assembly shall be installed at each noted location. The assembly shall consist of two positive seating check modules with captured springs and rubber seat discs. The check module seats and seat discs shall be replaceable. Service of all internal components shall be through a single access cover secured with stainless steel bolts. The assembly shall also include two resilient seated isolation valves; four top mounted, resilient seated test cocks. The assembly shall meet the requirements of ASSE Std. 1015 and AWWA Std. C510. Approved by the Foundation for Cross-Connection Control and Hydraulic Research at the University of Southern California. Assembly shall be a FEBCO Series 857.



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### Models

Suffix:

NRS - non-rising stem resilient seated gate valves

OSY - UL/FM outside stem and yoke resilient seated gate valves

LF - without shutoff valves

### Pressure — Temperature

Temperature Range: 33°F – 110°F (0.5°C – 43°C) continuous, 140°F (60°C) intermittent.

Maximum Working Pressure: 175psi (12.1 bar).

### Approvals



s Approved by the Foundation for Cross-Connection Control and Hydraulic Research at the University of Southern California.

u UL Classified with OSY gate valves (2½" & 3")

**IMPORTANT: INQUIRE WITH GOVERNING AUTHORITIES FOR LOCAL INSTALLATION REQUIREMENTS**

Job Name \_\_\_\_\_

Job Location \_\_\_\_\_

Engineer \_\_\_\_\_

Approval \_\_\_\_\_

Contractor \_\_\_\_\_

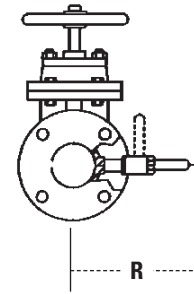
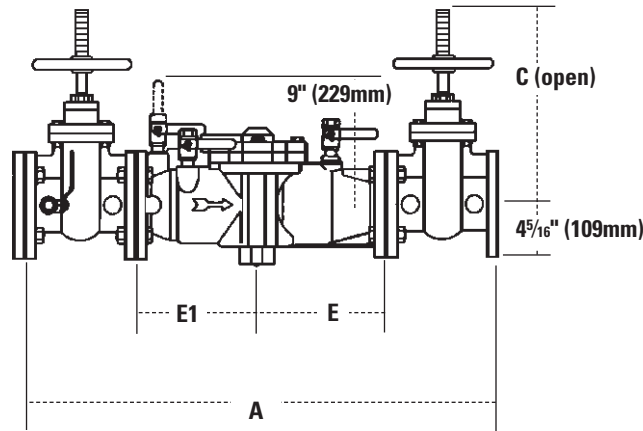
Approval \_\_\_\_\_

Contractor's P.O. No. \_\_\_\_\_

Representative \_\_\_\_\_

FEBCO product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact FEBCO Technical Service. FEBCO reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on FEBCO products previously or subsequently sold.

## Dimensions – Weights



Size: 2½" - 3" (65 - 80mm)

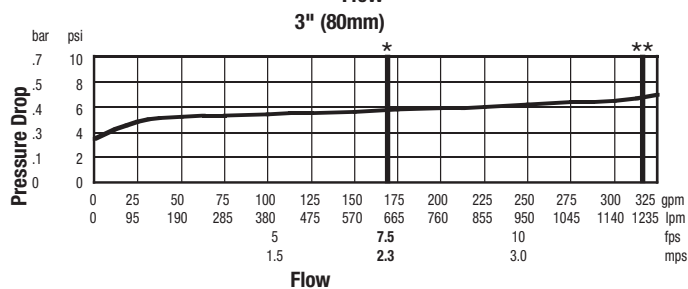
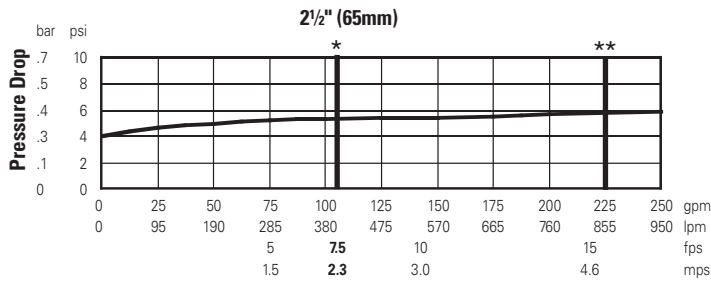
MODEL	SIZE (DN)		DIMENSIONS								WEIGHT	
	in.	mm	A		C		E, E1		R		lbs.	kg.
S 857-NRS	2½	65	33½	841	9¾	238	9½	230	8¾	222	155	70
SLU 857-OSY	2½	65	33½	841	16¾	416	9½	230	8¾	222	158	72
SLU 857-NRS	3	80	34½	867	10¼	260	9½	230	8¾	222	185	84
S 857-OSY	3	80	34½	867	18¾	479	9½	230	8¾	222	185	84

## Capacity

As compiled from documented Foundation for Cross-Connection Control and Hydraulic Research at the University of Southern California lab tests.

\* Typical maximum system flow rate (7.5 feet/sec., 2.3 meters/sec.)

\*\* UL rated flow



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USA: 4381 N. Brawley • Ste. 102 • Fresno, CA • 93722 • Tel. (559) 441-5300 • Fax: (559) 441-5301 • www.FEBCOonline.com  
Canada: 5435 North Service Rd. • Burlington, ONT. • L7L 5H7 • Tel. (905) 332-4090 • Fax: (905) 332-7068 • www.FEBCOonline.ca