80 mm (3") Discharge Hose/Check Valve Assembly

The discharge hose/check valve assembly combines the elbow, hose, check valve, and swivel coupling for connection to the valve discharge outlet and the discharge manifold. The check valve provides the facility for a 40 mm $(1\frac{1}{2})$ height adjustment.

Figure 15 - 80 mm (3") Discharge Hose / Check Valve Assembly (Part No. 306.205.006)

Technical Information

Hose:
Elbow:
Valve Swivel Nut:
Check Valve Swivel Nut:
Check Valve Body:
Check Valve Seal and Seat:
Spring:

Max. Working Pressure: Overall Size (Minus Check Valve): Weight: Equivalent Length: Double braid stainless steel Stainless steel UNS 30400 Stainless steel UNS 30400 Cadmium plated mild steel Cadmium plated mild steel Brass UNS 36000 Stainless steel 2.84 kg (6.27 Ibs) 35 bar (507.5 psi) 619mm (L) x 254mm (W) (24.37" (L) x 10.00" (W)) 20.50 kg (45.20 lbs) 15.85 m (52 ft)

80 mm (3") Discharge Hose

The discharge hose is used with the 3'' NPT single tank adaptor and 90° elbow to connect the container valve outlet to the distribution piping in single tank systems. The hose is constructed of corrugated stainless steel tubing with stainless braid cover.

Figure 16 - 80 mm (3") Discharge Hose (Part No. 306.205.005)



Technical Information

Hose Construction: Max. Working Pressure: Min. Bend Radius: Overall Size:

Weight: Equivalent Length: Double braid stainless steel 35 bar (507.5 psi) 460mm (18") 406mm (L) x 76mm (Dia) (15.98" (L) x 2.99" (Dia)) 3.00 kg (6.61 lbs) 1.55 m (5.1 ft)

Single Container Installation

- 1. Fix the back channels of the mounting brackets to the wall at the appropriate heights (see table 16), using suitable anchor type bolts (not supplied).
- 2. Position the container against the back channel with the valve outlet pointing left.
- 3. Insert the container straps at top and bottom and secure with the bolts provided (see Figure 48).
- 4. Remove the anti-recoil cap from the valve outlet adaptor (see Figure 46).
- For 8 180 litre containers (25 mm (1") and 50 mm (2") valves): With the anti-recoil cap removed from the valve outlet adaptor, install a union coupling.

For 343 litre container (80 mm (3") valve): Install single container adaptor onto the discharge outlet. Either a grooved pipe, NPT, or BSPT threaded adaptor may be used. See Figure 47.

Caution. Do not over tighten the container connection. Excessive tightening may cause the valve outlet thread to be damaged and adversely affect the system operation.

- 6. Install the initial pipe run and then disconnect the container and refit the anti-recoil cap to the valve outlet.
- 7. Re-connect the pipe to the container after the pipework system is complete and the discharge nozzles have been installed.
- **Note:** For 343 litre container (80 mm (3") valve): Connect elbow and discharge hose or pipe directly to the adaptor. A union is not required as the adaptor has swivel couplings to allow for pipe removal during recharging or maintenance.



Figure 47 - Discharge Outlet Connections.