

"PCR / CPCR" Series

CORROSION COUPON RACKS

Specification WRTNCPNPCR

Written: April 2021



1.0 DESCRIPTION

1.1 CORROSION COUPON RACK: Shall be manufactured by AquaPhoenix or approved equal and consist of a plastic piping assembly, inlet & outlet isolation valves, rotationally molded back panel with integral awning and shelf, poly back panel, union style injection molded quick connecting sample points (that require no tools for inspection) and steel linked safety chain.

2.0 MATERIALS

2.1 PIPE MATERIAL: Corrosion coupon rack shall be made from Sch80 PVC or CPVC pipe, fittings, and valves. Material Options:

- ☐ "PCR" Sch80 PVC pipe, fittings and valves
- ☐ "CPCR" Sch80 PVC pipe, fittings and valves

2.2 PIPE SIZE: Corrosion coupon rack shall be made from 3/4" "07" Sch80 pipe, fittings, valves and holders. Piping shall be supported at each end of all piping runs, to minimize piping vibrations.

- ☐ "10" 1" Sch80 PVC pipe, fittings, valves and holders

2.3 COUPON HOLDER: Shall be union style, easy to remove, and constructed of injection molded CPVC to maintain consistency and rated to 70°F @ 150PSI. Coupon holder shall have directional arrow indicating sample orientation. Sample set screw shall be Nylon so as not to cause dissimilar metal corrosion.

2.4 PIPE SUPPORTS: Pipe supports shall be nylon click style with stainless steel hardware.

2.5 MOUNTING SYSTEM: Factory supplied wall mount brackets shall be supplied to mount shelf to wall above tank. Mounting rack shall be heavy duty rotational molded sample station with integral awning, shelf, backboard and factory supplied mounting clips. Awning is deterring direct elements and shelf is designed to catch spills/system water during analysis and discard appropriately to floor drain or to waste water storage for processing through 1/2" drain connection supplied.

2.6 SAFETY CHAIN: Quick connect sample holder(s) shall be bound / connected to mounting system with 10" galvanized steel chain and be of ample strength to ensure operator safety.

2.7 ISOLATION VALVES: Full port isolation valves shall be supplied on inlet & outlet of corrosion coupon rack.

2.8 PRESSURE AND TEMPERATURE LIMITATIONS: Shall have maximum operating of 100PSI @ 85F.

2.9 OPTIONAL FEATURES: Select from the following 3/4" options.

- ☐ Code "SVP" Sample Valve, PVC
- ☐ Code "YSP" Y-Strainer, Polypropylene
- ☐ Code "BSP" Bowl Strainer, Polypropylene
- ☐ Code "BSP-CLEAR" Clear Bowl Strainer, Polypropylene
- ☐ Code "YSB" Y-Strainer, Brass
- ☐ Code "FI10" Flow Indicator, 10GPM, Polycarbonate and Stainless Steel (175PSI/70F)
- ☐ Code "FIA10" Adjustable Flow Indicator, 10GPM Polycarbonate and Stainless Steel (175PSI/70F)
- ☐ Code "FCP05" Flow Control Valve, PVC, 5GPM

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3.0 WARRANTY

AquaPhoenix's Corrosion Coupon Racks are guaranteed for two years from date of shipment against manufacturing defects in material and workmanship which develop in the service for which they are designed. We will repair or replace a defective part of this system when returned to our factory with freight prepaid; providing that the part is found to be defective upon inspection. We assume no liability for labor and/or other expenses in making repairs or adjustments.