

PFQ290218V Westinghouse

Filter housing extension tubes & element upgrades for Westinghouse EHC system hydraulic power unit pump discharge filters (2 per pump).

Upgrade 10-15 μ element to 3 μ for cleaner fluid and increased reliability of hydraulic actuator servo valves.

Housing extension + longer element (double surface area) prevents high element Δ pressure problems.

2-piece top loading design minimizes mess during element service.



The PFQ290218V housing extension replaces existing inverted filter bowls (photo 2) used on pump discharge on Westinghouse EHC pump discharge filter housing manifolds (photo 1).

The housing extension features a top loading design that contains the fluid during element service to prevent fluid from spilling as is common with the existing inverted bowl design.

Typically 10~15m elements are used on pump discharge and it is not possible to upgrade to a higher efficiency media because it would create high differential pressure problems. The PFQ290218V bowl extension utilizes a double length element with double the media surface area which allows the upgrade to 3m and 6m higher efficiency media element.

The housing extension is available individually excluding the filter elements. Filter element media options include DFE rated glass and Dynafuzz stainless fiber media. Seal options include Viton (standard) and EPR.



Photo 1
Original OEM Elements In-Service with OEM Housing Tube Removed

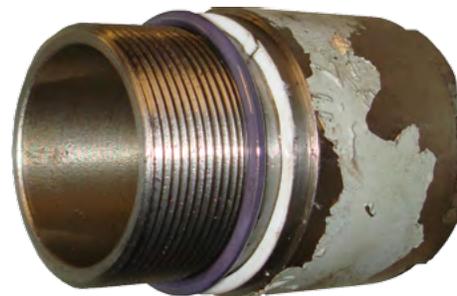


Photo 2
Original OEM Housing Tube

PFQ290218V FILTER HOUSING SPECIFICATIONS

Housing Bowl Extension	Nickel plated steel
Housing Cover	Housing Cover
Housing Cover Vent Plug	Stainless steel
Seal Material	Viton o-ring + Teflon back-up ring (Standard) (EPR available - call factory for part number & pricing)
Filter element hardware	Stainless steel end caps and support tube
Media options	Stainless steel fiber or glass fiber DFE rated (call for other options)
Flow fatigue rating	2000 psi (178 bar)
Seal Material	Viton o-ring + Teflon back-up ring
Weight (w/element)	Bowl extension + cover bowl 3.8lb (1.7kg) ~8" bowl 5.0lb (2.3kg)
Temperature rating	Viton = -15°F(-26°C) to 275°F(135°C)

FILTER ELEMENT PART NUMBER GUIDE*

*Order elements separately from PFQ290218 housing

HPQ290218 -

Table 1

Table 2

Table 1 Code		Media Selection
3M		$\beta_{5_{[c]}} = 1000$ ($\beta_3 = 200$)
3SF*		$\beta_{5_{[c]}} = 1000$ ($\beta_3 = 200$) Dynafuzz
6M		$\beta_{7_{[c]}} = 1000$ ($\beta_6 = 200$)
6SF*		$\beta_{7_{[c]}} = 1000$ ($\beta_6 = 200$) Dynafuzz
10M		$\beta_{12_{[c]}} = 1000$ ($\beta_{12} = 200$)
10SF*		$\beta_{12_{[c]}} = 1000$ ($\beta_{12} = 200$) Dynafuzz

Table 1 Code		Seal
V		Fluorocarbon (Viton)
E		EPR (optional)

