

ZENNER High Flow Combination Meters

Model PFS

Low Flow Domestic and High Flow Fire Service

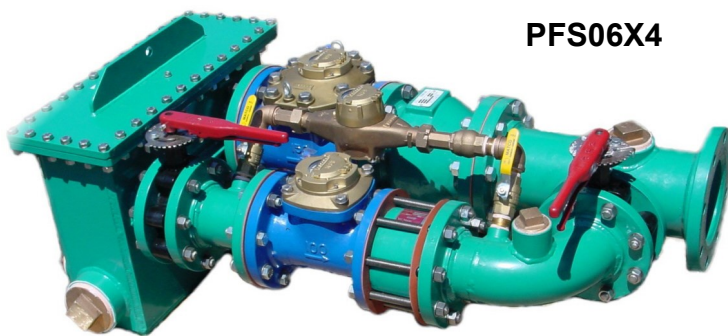
Sizes 4" through 12" & Custom models on special order

INTRODUCTION: ZENNER High Flow Combination Meters are designed to measure domestic low flows to the extreme high flows of fire service. Our patent pending strainers exceed all fire service requirements. These Combination Meters are designed to measure cold potable water in one direction only for commercial and industrial services where large variations of flows can be expected.

OPERATION: Water initially flows through a large Fire Flow Strainer with open strainer area equal to 10 times the pipe inlet diameter. ZENNER High Flow Combination Meters utilize a turbine type meter on the main flow line, a turbine type meter on the intermediate line and a proportionately sized meter on the low flow line. There are three Check Valves, one each on the high, intermediate and low flow lines that control the flow of water through the appropriate measuring devices. Before the intermediate and high flow check valves open, all water flows through a low flow meter. As flow demand increases the intermediate and high flow check valves progressively open, and water can flow through all three meters.

CONSTRUCTION: ZENNER High Flow Combination Meters consist of a Fire Flow Strainer, two Class II Turbine Meters (PMT), one PMN Nitro I Multi-Jet Meter on the low flow line, three check valves and bypass shut-off valves on the intermediate and low flow lines. All steel and cast iron components are epoxy coated.

CONFORMANCE: ZENNER High Flow Combination Meters are tested and comply with ANSI/AWWA C702, C703 and ISO performance standards. These Combination Meters comply with the lead-free provisions of the Safe Drinking Water Act and are certified to NSF/ANSI Standard 372.



PFS06X4



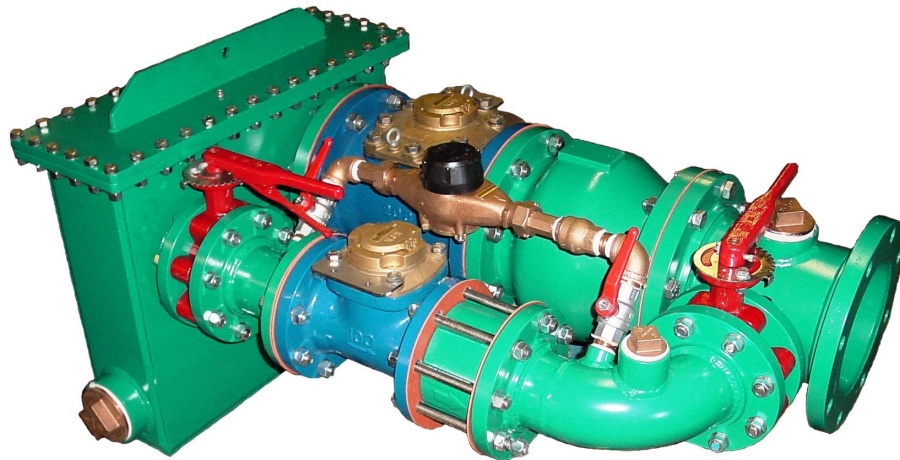
PFS04X2

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Rev. A
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MODEL		PFS04X2	PFS06X4	PFS08X4	PFS10X4	PFS12X4
SIZE		4 X 2 X 3/4	6 X 4 X 1	8 X 4 X 1	10 X 4 X 1	12 X 4 X 1
Flow Rate Maximum Intermittent	USGPM	1300	2500	5000	8000	10000
Maximum Continuous	USGPM	750	2000	2500	4000	5000
Optimum Operating Flow Range	USGPM	6 - 500	20 - 2000	35 - 3000	50 - 4000	75 - 6000
Low Flow Rate	USGPM	3/4	1-1/2	2	2	2
Start-Up Flow Rate	USGPM	1/8	1/4	3/8	3/8	3/8
Maximum Working Pressure	P.S.I.	160	160	160	160	160
Maximum Temperature	Deg. F	140	140	140	140	140
Length	Inches	48	54	53	68	68
Height	Inches	19	22	27	33	39
Width	Inches	24	30	35	37	40



PFS08X4