

WAFER TYPE RATIO CONTROLLER

MODEL: SD-WRC-B, SD-WRC-S



DESCRIPTION

SHIELD pressure Proportioner is for use in fixed systems to introduce designed foam concentrate at a predetermined rate into the fire-water supply, over a varying range of foam solution demands. For example, where a number of discharge outlets may be required to operate individually or simultaneously. There are 5 basic models with capacities from 40 GPM to 2400 GPM and each unit is factory-calibrated to suit proportioning rates of 2% or 3% or 6% of a specified foam concentrate.

Size 2.5" proportioner shall be threaded type and the other sizes are wafer type. The wafer type, designed to be installed between ANSI 150 flanges and are manufactured from high grade corrosion resistant materials. They are simple to install, require no maintenance and their modular construction gives the engineer considerable flexibility in terms of selection of flow rate and positioning within the system.



FEATURES

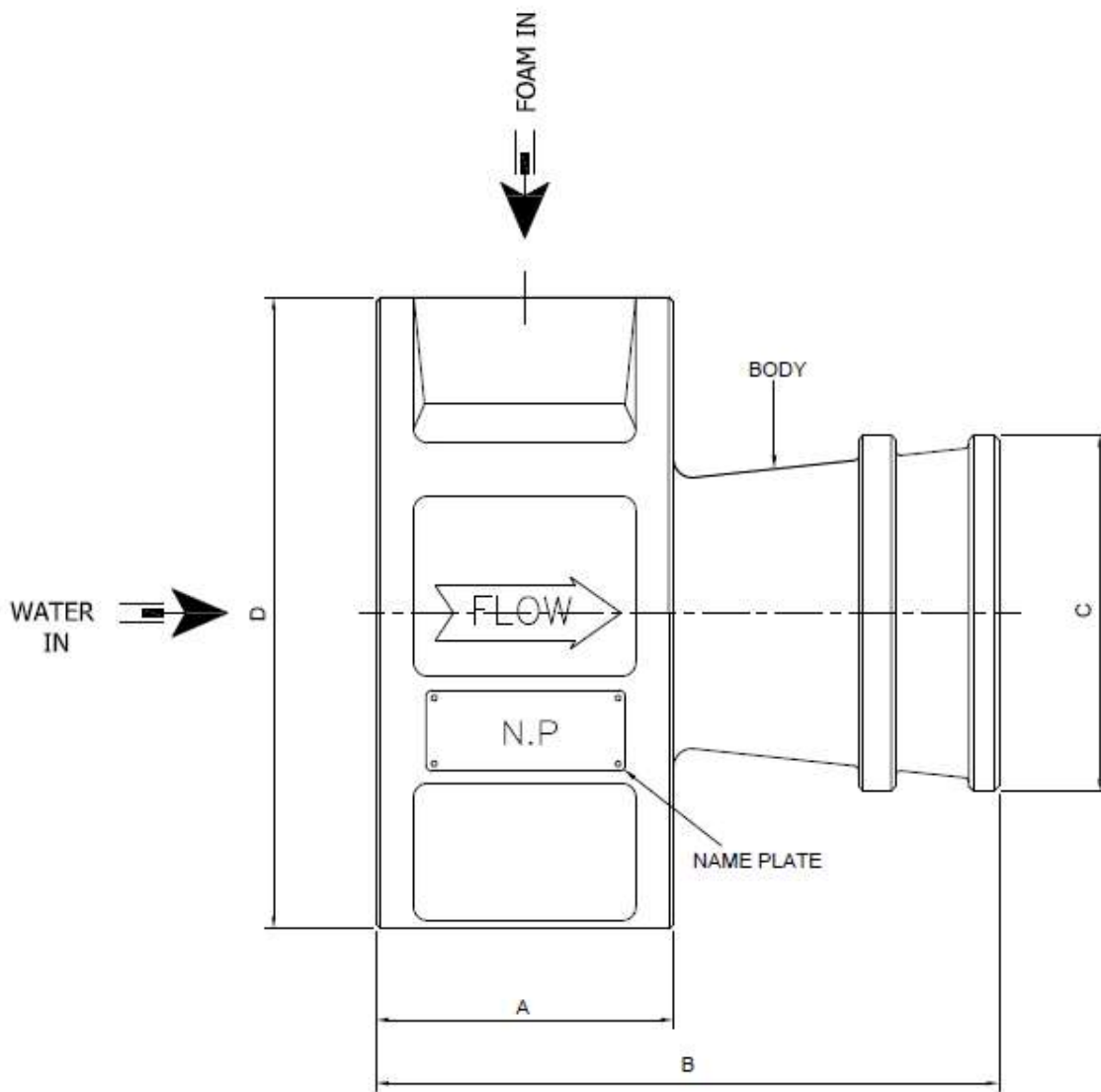
- Corrosion resistant bronze(WRC-B)/ stainless steel construction (WRC-S).
- Custom flow and pressure options available.
- Optional threaded or flanged end connections
- 2.5" WRC shall be threaded, other size are wafer type.

WAFER TYPE RATIO CONTROLLER SIZE & FLOW RATE

RATIO CONTROLLER, MODEL: SD WRC-B AND SD WRC-S, FLOW RATE IN GPM

Foam Concentrate	Approval	65NB	65NB*	80NB	80NB*	100NB	100NB*	150NB	200NB
AFFF 3%	UL	53-415	20-150	231-614	125-840	460-1585	140-712	775-2399	845-2364
AFFF 6%	UL	61-410	--	119-817	243-618	445-1559	193-491	752-2289	859-2315
AR-AFFF 3/3	UL	99-300	--	221-623	--	465-1020	--	793-2214	1089-2400
AFFF 3%	FM	55-313	--	237-614	--	455-1200	--	780-2400	845-2320
AFFF 6%	FM	66-220	--	241-619	--	445-1150	--	725-2135	890-2305
AR-AFFF 3/3	FM	98-348	--	229-616	--	465-1032	--	758-2375	853-2311
AR-AFFF 3/6-3%	FM	93-324	--	232-632	--	455-1026	--	765-2270	837-2360
AR-AFFF 3/6-6%	FM	101-322	--	251-646	--	460-1035	--	775-2260	1103-2100
AFFF 1% (NFP1)	UL	69-357	--	116-315	--	--	--	--	--
AR-AFFF 1/3-1%	UL	56-376	--	131-374	--	--	--	--	--
AR-AFFF 1/3-3%	UL	71-378	--	146-373	--	--	--	--	--
FP P3-3%	UL	71-357	--	96-371	--	--	--	--	--
NF HEFC 2%	UL	40-351	--	125-735	--	172-1128	--	--	--
AR-AFFF 3/3 (NFP)	UL	--	38-153	228-806	--	--	--	--	--
AR-AFFF 3/6-3% (NFP)	UL	--	--	200-704	--	--	--	--	--
AR-AFFF 3/6-6% (NFP)	UL	--	--	233-736	--	--	--	--	--

*These models are available with different orifices.



DIMENSIONAL DATA

Proportioner Models	Size (mm)	A	B	C	D	Weight
WRC-B & WRC-S	65	60 mm	approx. 130 mm	64 mm	120 mm	Approx. 3.9 kg
	80	63.5mm	approx. 135 mm	76 mm	135 mm	Approx. 4.2 kg
	100	64.5 mm	approx. 230 mm	101 mm	173 mm	Approx. 7.4 kg
	150	84 mm	approx. 305 mm	154 mm	219 mm	Approx. 14.65 kg
	200	108 mm	approx. 345 mm	198 mm	270 mm	Approx. 33.3 kg

NOTE:

A minimum of five pipe diameter of straight unobstructed pipe is required at upstream and down stream of each ratio controller.