WIDE RANGE PROPORTIONER

Model AG-WRM-G

Foam proportioner for wide range



DESCRIPTION

The wide range variable flow proportioner model AG-WRM-G is a metering device installed on the mixer body of the diaphragm tank or foam pumps. It controls the mixing of foam concentrate and water in a suitable and stable ratio over a wide range of flow rates. The cross sections of water and foam change as the flow rate varies.

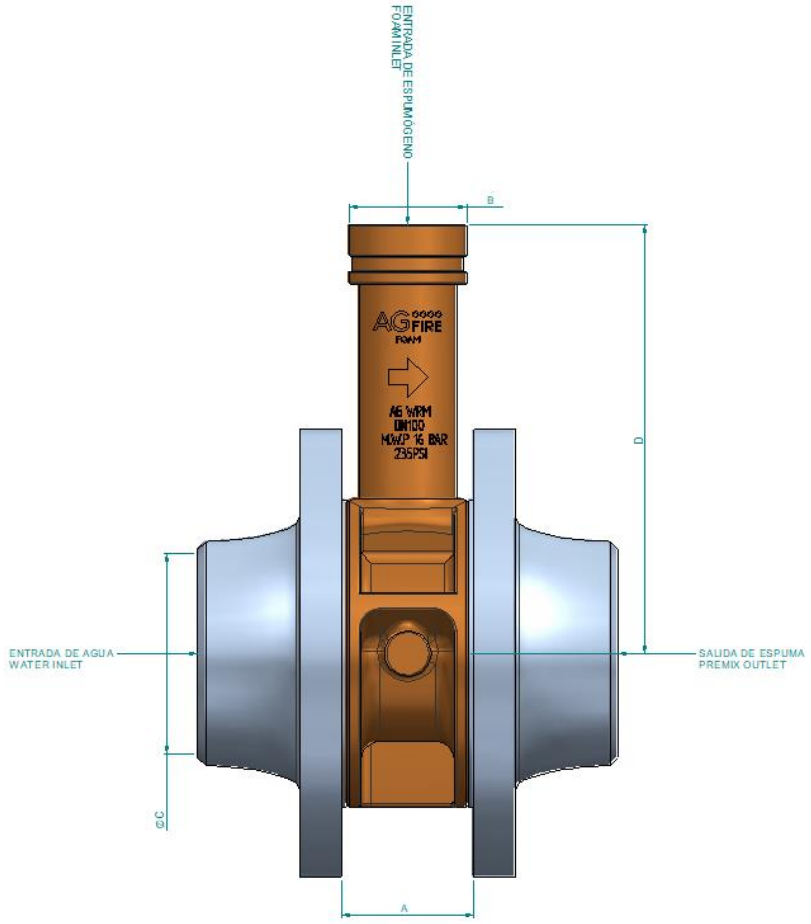
TECHNICAL DATA

Models	AG-WRM-G100B AG-WRM-G150B AG-WRM-G200I
Sizes	AG-WRM-G100B: 4” DN100 AG-WRM-G150B: 6” DN150 AG-WRM-G200I: 8” DN200
Water line connection and mixing outlet	Wafer
Foam concentrate inlet connection	Groove
Maximum work pressure	16 bar (235 psi)
Factory test pressure	24 bar (348 psi)
Flow range with low viscosity foam	AG-WRM-G100B: 100 – 4000 lpm (26 –1057 gpm) AG-WRM-G150B: 150 – 8000 lpm (40 – 2113 gpm) AG-WRM-G200I: 180 – 12000 lpm (47 –3170 gpm)
Material	Stainless steel or bronze
Weight (Aprox.)	AG-WRM-G100B: 7 kg AG-WRM-G150B: 9 kg AG-WRM-G200I: 17,5 kg
Finish	Stainless Steel or natural bronze

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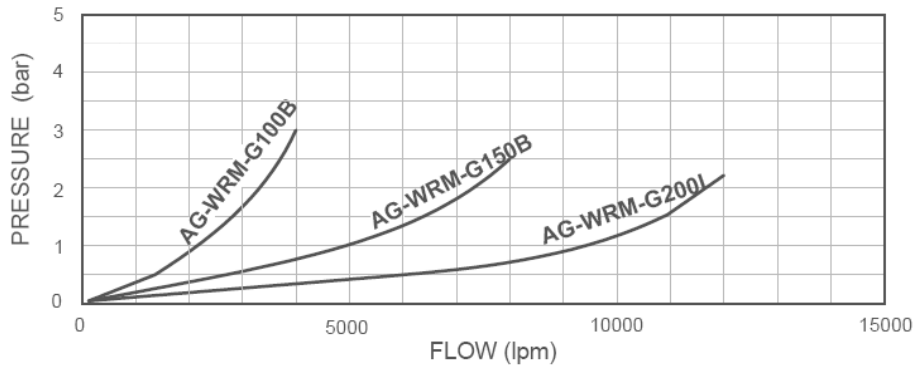
DIMENSIONS

MODEL	DIMENSIONS mm (inch)			
	A	ΦB	ΦC	D
AG-WRM-G100B	67,2 (2,65)	2” DN50	4” DN100	218,7 (8,61)
AG-WRM-G150B	67,2 (2,65)	2” DN50	6” DN150	262,6 (10,34)
AG-WRM-G200I	84 (3,31)	2,5” DN65 (76,1mm)	8” DN200	309,2 (12,17)



Minimum pipe length: Before proportioner = 5x ΦC
After proportioner = 3x ΦC

PRESSURE DROP



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INSTALLATION, TEST AND MAINTENANCE

The proportioner must be installed, inspected and tested by a qualified and trained person. The installation must respect the direction of flow indicated by an arrow on the body.

It should be inspected regularly for damage or dirt around moving parts. If abnormal conditions are observed, such as poor discharge, excessive wear, water leakage, corrosion effect, damage, etc., the proportioner should be taken out of service and repaired by a qualified technician or replaced.

Do not act on the proportioner before relieving the pressure in the water line and after isolating the foam concentrate supply line.

When removing for maintenance, be careful not to damage connections and lines.

The owner is responsible for maintaining the proportioner in proper operating condition.

ORDERING INFORMATION

SIZE	MATERIAL	
	STAINLESS STEEL	BRONZE
4” DN100		AG-WRM-G100B
6” DN150		AG-WRM-G150B
8” DN200	AG-WRM-G200I	

Specify:

Model	
Quantity	
Material	

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  - Extended coverage
  - Storage
  - Dry
  - Accesories
- System valves
  - Wet
  - Dry
  - Preaction equipment
  - Accesories
- Spray System open nozzles
  - Window nozzles
  - Medium velocity nozzles
  - High velocity nozzles
  - Hydroshield nozzles
  - Mushroom type nozzles
- Foam equipment
  - Tanks
  - Proportioners
  - Foam discharge equipment
  - Foam concentrates
- Deluge equipment for water spray and foam
  - Clapper deluge valves
  - Diaphragm deluge valves
- Monitors
  - Manual monitors
  - Remote monitors
  - Monitor nozzles
  - Towers and trolleys
- Valves
  - Butterfly valves
  - Gate valves
  - Check valves
  - Pressure control valves
  - Test and Drain
  - Hose, Hydrant and fire connection valves
  - Fire department connections

The equipment presented in this bulletin is to be installed in accordance with the latest published Standard of the National Fire Protection Association, Factory Mutual Research Corporation, or other similar organizations and also with the provisions of governmental codes or ordinances whenever applicable.
This documentation is not contractual. AG Fire Sprinkler reserves the right to any kind of change without notice.

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