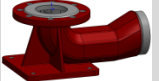


## ■ DATA SHEET MONITORS M2 – M7

REMOTE-CONTROLLED, WITH THREE-PHASE CURRENT DRIVES  
AND MULTI-PURPOSE NOZZLE (MPN).

### ■ 1. GENERAL TECHNICAL DATA.

Type series	M2	M3	M4	M5	M7	M7
Max. water flow rate	2500 l/min	4000 l/min	8000 l/min	12 000 l/min	20 000 l/min	24 000 l/min
Connecting flange (optionally)	DN65 PN16 DN80 PN16	DN80 PN16 DN100 PN16	DN100 PN16 DN150 PN16	DN150 PN16 DN200 PN16	DN200 PN16	DN200 PN16
	ASME B 16.5 150 lbs. 2 ½" ASME B 16.5 150 lbs. 3"	ASME B 16.5 150 lbs. 3" ASME B 16.5 150 lbs. 4"	ASME B 16.5 150 lbs. 4" ASME B 16.5 150 lbs. 6"	ASME B 16.5 150 lbs. 6" ASME B 16.5 150 lbs. 8"	ASME B 16.5 150 lbs. 8"	ASME B 16.5 150 lbs. 8"
Elbow (optionally) 	G4" Male thread	G4" Male thread	G5" Male thread	G5" Male thread	-	-
Max. op. pressure	16 bar					



Valid for selected product types.  
See separate data sheet.



[www.firedos.com](http://www.firedos.com)

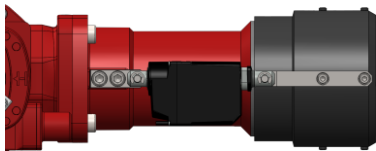
## ■ 2. SPECIFIC TECHNICAL DATA.

Three-phase current drives of pivot mounting:	M2-ACXXX-XX	M3-ACXXX-XX	M4-ACXXX-XX	M5-ACXXX-XX	M7-ACXXX-XX	M7-ACXXX-XX
Swivelling range	Horizontal -180° to +180° / vertical up to +90°					
Swivelling speed (H – Horizontal, V- Vertical)	H 11°/s // V 10°/s	H 11°/s // V 10°/s	H 8°/s // V 10°/s	H 6°/s // V 7°/s	H 6°/s // V 7°/s	H 6°/s // V 7°/s
Operating voltage	380 V AC / 50 Hz, 400 V AC / 50 Hz, 415 V AC / 50 Hz, 440 V AC / 60 Hz, 460 V AC / 60 Hz, 480 V AC / 60 Hz, 500 V AC / 50 Hz // 3-phase					
Current consumption per drive	1.3 A	1.3 A	2.5 A	2.5 A	2.5 A	2.5 A
Protection class	IP 68					
Operating temperature	-40° C to +80° C					
Position indication	End switch					
	Also available as ATEX versions, with the following designation: Ex II 2G IIB T4 (-20° C to +40° C) or T3 (-20° C to +60° C) Gb // Ex II 2D IIIB T135°C IP6x or T190°C Db IP6x.					
Corresponding nozzle, direct current:	MPN2-DC	MPN4-DC	MPN8-DC	MPN12-DC	MPN20-DC	MPN24-DC
Operating voltage	24 V DC					
Current consumption	2 A	2 A	2 A	2 A	2 A	2 A
Protection class	IP 66					
	ATEX versions only:					
Corresponding nozzle, alternating current:	MPN2-AC Ex	MPN4-AC Ex	MPN8-AC Ex	MPN12-AC Ex	MPN20-AC Ex	MPN24-AC Ex
Operating voltage	100-240V AC 1-phase at 50/60Hz					
Current consumption	0.35 A (230V / 50Hz)					
Protection class	IP 66					

## 3. MULTI-PURPOSE NOZZLE (MPN).

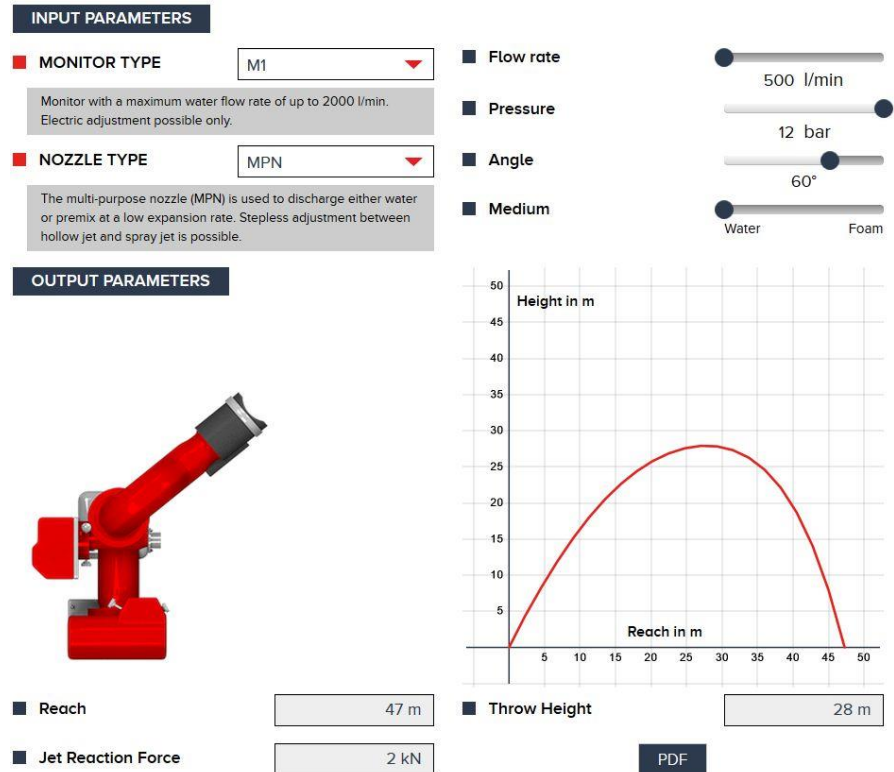
The multi-purpose nozzle (“Multi Purpose Nozzle” = MPN) is used for the discharge of water or premix at a low foam expansion rate. The manual stepless adjustment between hollow jet and spray jet is possible also during operation. The maximum spray angle is 100°.

The nozzle is factory-set to a fixed extinguishing agent flow rate in accordance with the available system pressure. If requested, this setting can be adjusted later on.

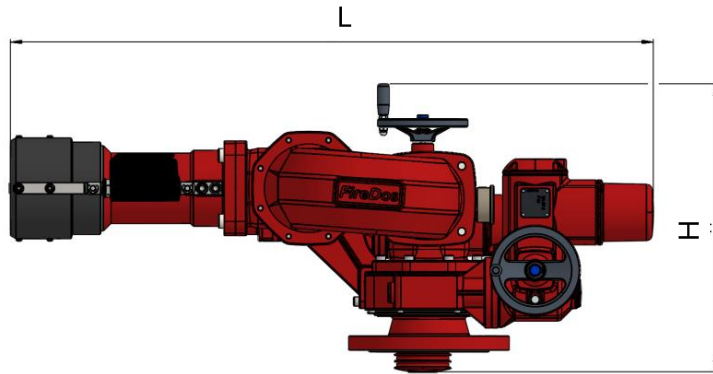


## 4. REACH AND REACTION FORCE.

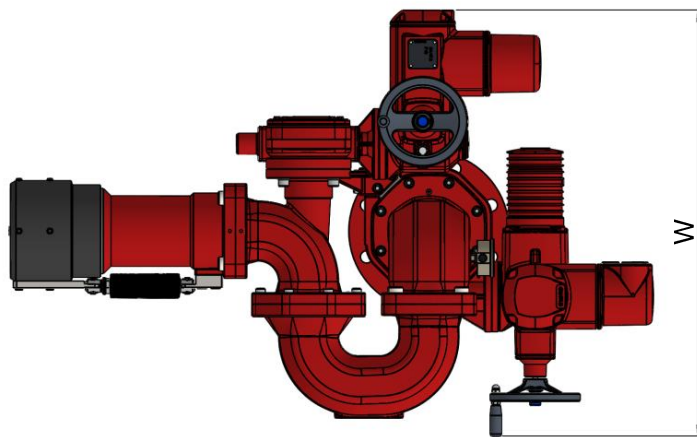
Using the app at [www.firedos.com/monitorapp](http://www.firedos.com/monitorapp), you can determine the reach curve and the reaction forces depending on your operating conditions.



## ■ 5. DIMENSIONS.



	Length L	Width W	Height H	Weight
<b>M2-ACXXX-XX / MPN2-DC</b>	855 mm	660 mm	515 mm	70 kg
<b>M3-ACXXX-XX / MPN4-DC</b>	940 mm	685 mm	515 mm	95 kg
<b>M4-ACXXX-XX / MPN8-DC</b>	1145 mm	760 mm	515 mm	135 kg
<b>M5-ACXXX-XX / MPN12-DC</b>	1360 mm	810 mm	560 mm	165 kg
<b>M7-ACXXX-XX / MPN20-DC</b>	1710 mm	970 mm	620 mm	240 kg
<b>M7-ACXXX-XX / MPN24-DC</b>	1810 mm	970 mm	620 mm	250 kg



## ■ 6. MATERIALS.

- Cast aluminium AlSi7Mg 0.3 with HC and powder coating
- AlMgSi1 with HC and powder coating
- Stainless steel V2A and V4A
- NBR
- Powder coating Red (RAL 3020) as a standard

## ■ 7. SPECIAL EQUIPMENT OPTIONS.

- Controls
- Swivelling unit to move between work and rest position

## ■ 8. MANUFACTURER.

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We reserve the right to make modifications at any time.  
All figures are approximate and subject to the particular version/equipment.