

**MANUALLY HANDWHEELS OPERATED MONITOR AS8 TYPE**

**OPERATING AND MAINTENANCE HANDBOOK**

**TECHNICAL DATA**

Flanged inlet	8" or 10" ANSI 150 lbs RF DN 200 or DN 250 DIN PN 16
Max. working pressure	16 bar
Test pressure (mechanical strength)	24 bar
Test pressure (rotating joints tightness)	20 bar
Flowrate range	20.000÷30.000 lt/min.
Type of operation	manual by handwheels
Horizontal movement	360° endless
Vertical movement	-50° / +70°
Locking device for horizontal movement	yes - self locking worm gear
Locking device for vertical movement	yes - self locking worm gear
Rotating joints	with double seated ball bearings
Greasing nipples	yes - on horizontal and vertical movement rotating joints
Balancing device	yes - for balancing the pipe's vertical movement
Body material	anodized seawater resistant light alloy G-AlSi9 or bronze Bz N7
Rotating joints material	carbon steel protected against corrosion or bronze Bz N7
Pressure loss in the monitor	1,3 bar at flowrate 20.000 lt/min. / 2,9 bar at 30.000 lt/min.

**PIPES AND NOZZLES**

- water pipe in stainless steel with internal flow stabilizers and water full jet nozzle in anodized light alloy G-AlSi9
- manually operated spraying head for water full jet / spray jet (for big flowrates) to be mounted on the water pipe with full jet nozzle
- A type combined foam/water pipe with nozzles in bronze Bz N7 and pipe in stainless steel

## **DESCRIPTION**

Caccialanza monitor AS8 type are units for extreme high performances, designed to operate in extremely hard conditions and in aggressive environments (refineries, offshore, etc.).

They are suitable for mounting on fire fighting vessels with FiFi1, FiFi2 and FiFi3 classification.

The rotating joints with ball bearings and greasing nipples for the horizontal and vertical movements assure a very easy operation and require very little maintenance.

The monitors are manually operated by means of handwheels.

## **OPERATION**

- aim the jet by the handwheels at the fire or objective to be cooled.

The self locking worm gears assure the stop of the horizontal and vertical movements when leaving the handwheels

- take care that the jet has a very big impact on the object!

After the operation:

- rinse the monitor with clean water, in particular after foam service

- drain the monitor in particular in case of cold weather

## **MAINTENANCE**

- lubricate periodically (at least every 6 months) the rotating joints by means of the greasing nipples and grease the worm gears for the horizontal and vertical movements.

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