



Overview A8

The Caccialanza & C. **A8 type monitors** are units for highest performances designed to operate in extremely hard conditions and in aggressive environments (refineries, chemical industries, offshore, etc.), where highest foam / water flowrates and very long ranges of jet (up to 150 m) are required.



The A8 type monitors are available in following executions:

- manually handwheels operated (AS8)
- electric remote controlled (A8-EI)
- hydraulic remote controlled (A8-Hy)

The A8 type monitors can be equipped with following water- and foam pipes and nozzles:

- water pipe and full jet nozzle
- water pipe and full jet nozzle with adjustable spraying head for full jet / spray jet
- combined foam/water pipe

Main Technical Data of the A8 type monitors (for all executions):

- | | |
|----------------------------|--|
| - flowrate range: | 20.000 - 30.000 lt/min (for FiFi1 and FiFi2 monitors) |
| - pressure loss: | 1,3 bar at flowrate 20.000 lt/min
3,0 bar at flowrate 30.000 lt/min |
| - max. operating pressure: | 16 bar |
| - inlet flange: | 8" or 10" ANSI 150 lbs RF
DN 200 or DN 250 DIN PN 16 |
| - material: | body: seawater resistant light alloy EN AB 42000-Al Si 7
MgTA |
| | Bronze B ZN 7 |
| | rotating joints: bronze/aluminium G-Cu Al 11 Fe 4 (mat. ASTM B 148/954), ball bearings stainless steel AISI 304, |



Technical data of the A8 type monitors in the different executions:

Handwheels operated AS8 monitor

- operation: manual handwheels operation
- locking devices: locking in all positions for horizontal and vertical movement with self-arresting worm gears
- rotating devices: horizontal and vertical movements on double seated ball bearings
- lubrication: greasing nipples for horizontal and vertical movement
- rotation: 360° endless
- elevation: +80° / -50°

(general assembly dwg. **52510001** for Light alloy and
dwg. **52510002** for Bronze execution)

Electric remote controlled A8-EI monitor

- operation: electric: with electric multiturn actuators IP 67, motors 400V/3 Ph/50 Hz, 1,5 kW, (optionally Ex-proof Eexd IIC T4)
manual: handwheels operation with automatic disconnecting safety device when the monitor is electrically remote operated
- locking devices: locking in all positions for horizontal and vertical movement with self-arresting worm gears
- rotating devices: horizontal and vertical movements on ball bearings
- lubrication: greasing nipples for horizontal and vertical movement
- rotation: electric: 360° (adjustable)
manual: 360°
- elevation: electric: +80° / -50° (adjustable)
manual: +80° / -50°
- electric limit switches: rotation max range 360° (adjustable)
elevation max range +80° / -50° (adjustable)
- mechanical protection: torque switches (overload protection) for horizontal and vertical movement
- motors protection: thermoswitches,
- remote position control: with potentiometer (optional)
- speed for electric operation: rotation: ca. 180° in 24 sec. (ca.7,5°/sec.)
elevation: ca. 90° in 12 sec. (ca.7,5°/sec.)

(general assembly dwg. **52520001** for Light alloy and
dwg. **52520002** for Bronze execution)



Hydraulic remote controlled A8-Hy monitor

- operation: hydraulic: with hydraulic motors
 manual: handwheels operation
 with selector device for hydraulic remote operation /
 local manual operation
- locking devices: locking in all positions for horizontal and vertical
 movement with self-arresting worm gears
- rotating devices: horizontal and vertical movements on ball bearings
- lubrication: greasing nipples for horizontal and vertical movement
- rotation: hydraulic: 340° (adjustable)
 manual: 340°
- elevation: hydraulic: +80° / -50° (adjustable)
 manual: +80° / -50°
- hydraulic limit switches: rotation max range 340° (adjustable)
 elevation max range +80° / -50° (adjustable)
- remote position control: with potentiometer (optional)
- speed for hydraulic operation: rotation: ca. 180° in 24 sec. (ca.7,5°/sec.)
 elevation: ca. 90° in 12 sec. (ca.7,5°/sec.)

(general assembly dwg. 52540001 Light alloy execution)