



## AS3 Monitors

### **AS3 Monitors LL (Light Alloy EN AB 42000-Al Si 7 MgTA)**

- AS3/F, LL, with water pipe and full jet nozzle
- AS3/K, LL, with water pipe and adjustable full jet/spray jet nozzle
- AS3/MS, LL, with adjustable full jet/fog jet nozzle
- AS3/A, LL, with foam/water pipe
- AS3/A-Def, LL, with foam/water pipe and manually operated deflector
- AS3/AW, LL, with self priming foam/water pipe
- AS3/AW-Def, LL, with self priming foam/water pipe and manually operated deflector
- AS3/V1/AW/F, LL, double pipe, with self priming foam/water pipe and water pipe with full jet nozzle

### **AS3 Monitors Bz (Bronze B ZN 7)**

- AS3/F, Bz, with water pipe and full jet nozzle
- AS3/K, Bz, with water pipe and adjustable full jet/spray jet nozzle
- AS3/MS, Bz, with adjustable full jet/fog jet nozzle
- AS3/A, Bz, with foam/water pipe
- AS3/A-Def, Bz, with foam/water pipe and manually operated deflector
- AS3/AW, Bz, with self priming foam/water pipe
- AS3/AW-Def, Bz, with self priming foam/water pipe and manually operated deflector
- AS3/V1/AW/F, Bz, double pipe, with self priming foam/water pipe and water pipe with full jet nozzle

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## AS3 Monitors LL

### AS3/F, LL, with water pipe and full jet nozzle

- Handwheels operated water monitor AS3/F type,
- body seawater resistant light alloy EN AB 42000-Al Si 7 MgTA,
  - handwheels operation with self-arresting worm gears,
  - horizontal and vertical movements on self-lubricating Lubrifon slide bearings and teflon rings with greasing nipples,  
rotation 360°,  
elevation +80°/-55°,
  - inlet flange 4" ANSI 150 lbs R.F., or DN 100 DIN PN 16  
alternatively inlet flange 3" ANSI 150 lbs R.F., or DN 80 DIN PN 16
  - with water pipe in light alloy complete with internal flow stabilizers and water full jet nozzle in seawater resistant light alloy EN AB 42000-Al Si 7 MgTA, flowrate 1.000 lt/min to 3.000 lt/min,
  - external protective painting: sandblasting SA 2,5, n.1 epoxy primer coat d.f.t. ≥40μ,  
n.2 final polyurethanic coat red RAL 3000, d.f.t. ≥30μ each,  
total d.f.t. ≥100μ

4" ANSI 150 lbs R.F. flange							
Type	Code nr.	Nozzle orifice Ø (mm.)	Flowrate at 8 bar (lt./min.)	Pressure at inlet flange (bar)	Range of jet (mt.) *	Weight (Kg)	Dwg. nr.
AS3/F 1.000	5273116010	24	1.000	8,2	50	30	52069901
AS3/F 1.600	5273116020	30	1.600	8,6	55	30	52069901
AS3/F 2.000	5273116030	32	2.000	8,9	60	30	52069901
AS3/F 2.400	5273116040	36	2.400	9,3	62	30,5	52069901
AS3/F 3.000	5273116050	40	3.000	10,0	65	30,5	52069901
DN 100 DIN PN 16 flange							
Type	Code nr.	Nozzle orifice Ø (mm.)	Flowrate at 8 bar (lt./min.)	Pressure at inlet flange (bar)	Range of jet (mt.) *	Weight (Kg)	Dwg. nr.
AS3/F 1.000	5273111010	24	1.000	8,2	50	30	52069901
AS3/F 1.600	5273111020	30	1.600	8,6	55	30	52069901
AS3/F 2.000	5273111030	32	2.000	8,9	60	30	52069901
AS3/F 2.400	5273111040	36	2.400	9,3	62	30,5	52069901
AS3/F 3.000	5273111050	40	3.000	10,0	65	30,5	52069901

\* Minimum warranted range of jet at nominal pressure.



3" ANSI 150 lbs R.F. flange							
Type	Code nr.	Nozzle orifice Ø (mm.)	Flowrate at 8 bar (lt./min.)	Pressure at inlet flange (bar)	Range of jet (mt.) *	Weight (Kg)	Dwg. nr.
AS3/F 1.000	5273115010	24	1.000	8,2	50	30	52069901
AS3/F 1.600	5273115020	30	1.600	8,6	55	30	52069901
AS3/F 2.000	5273115030	32	2.000	8,9	60	30	52069901
AS3/F 2.400	5273115040	36	2.400	9,3	62	30,5	52069901
AS3/F 3.000	5273115050	40	3.000	10,0	65	30,5	52069901
DN 80 DIN PN 16 flange							
Type	Code nr.	Nozzle orifice Ø (mm.)	Flowrate at 8 bar (lt./min.)	Pressure at inlet flange (bar)	Range of jet (mt.) *	Weight (Kg)	Dwg. nr.
AS3/F 1.000	5273110010	24	1.000	8,2	50	30	52069901
AS3/F 1.600	5273110020	30	1.600	8,6	55	30	52069901
AS3/F 2.000	5273110030	32	2.000	8,9	60	30	52069901
AS3/F 2.400	5273110040	36	2.400	9,3	62	30,5	52069901
AS3/F 3.000	5273110050	40	3.000	10,0	65	30,5	52069901

\* Minimum warranted range of jet at nominal pressure.



## AS3/K, LL, with water pipe and adjustable full jet/spray jet nozzle

Handwheels operated water monitor AS3/K type,

- body seawater resistant light alloy EN AB 42000-Al Si 7 MgTA,
- handwheels operation with self-arresting worm gears,
- horizontal and vertical movements on self-lubricating Lubrifon slide bearings and teflon rings with greasing nipples,  
rotation 360°,  
elevation +80°/-55°,
- inlet flange 4" ANSI 150 lbs R.F., or DN 100 DIN PN 16  
alternatively inlet flange 3" ANSI 150 lbs R.F., or DN 80 DIN PN 16
- with water pipe in light alloy complete with internal flow stabilizers and  
K-type manually adjustable water nozzle for full jet and spray jet (max. spray angle 30°)  
in seawater resistant light alloy EN AB 42000-Al Si 7 MgTA,  
flowrate 1.000 lt/min to 3.000 lt/min,
- external protective painting: sandblasting SA 2,5, n.1 epoxy primer coat d.f.t. ≥40μ,  
n.2 final polyurethanic coat red RAL 3000, d.f.t. ≥30μ each,  
total d.f.t. ≥100μ

4" ANSI 150 lbs R.F. flange							
Type	Code nr.	Nozzle orifice Ø (mm.)	Flowrate at 8 bar (lt./min.)	Pressure at inlet flange (bar)	Range of jet (mt.) *	Weight (Kg)	Dwg. nr.
AS3/K 1.000	5273116110	24	1.000	8,2	50	47	52069906
AS3/K 1.600	5273116120	30	1.600	8,6	55	47	52069906
AS3/K 2.000	5273116130	32	2.000	8,9	60	47	52069906
AS3/K 2.400	5273116140	36	2.400	9,3	62	47,5	52069906
AS3/K 3.000	5273116150	40	3.000	10,0	65	47,5	52069906
DN 100 DIN PN 16 flange							
Type	Code nr.	Nozzle orifice Ø (mm.)	Flowrate at 8 bar (lt./min.)	Pressure at inlet flange (bar)	Range of jet (mt.) *	Weight (Kg)	Dwg. nr.
AS3/K 1.000	5273111110	24	1.000	8,2	50	47	52069906
AS3/K 1.600	5273111120	30	1.600	8,6	55	47	52069906
AS3/K 2.000	5273111130	32	2.000	8,9	60	47	52069906
AS3/K 2.400	5273111140	36	2.400	9,3	62	47,5	52069906
AS3/K 3.000	5273111150	40	3.000	10,0	65	47,5	52069906

\* Minimum warranted range of jet at nominal pressure.



3" ANSI 150 lbs R.F. flange							
Type	Code nr.	Nozzle orifice Ø (mm.)	Flowrate at 8 bar (lt./min.)	Pressure at inlet flange (bar)	Range of jet (mt.) *	Weight (Kg)	Dwg. nr.
AS3/K 1.000	5273115110	24	1.000	8,2	50	47	52069906
AS3/K 1.600	5273115120	30	1.600	8,6	55	47	52069906
AS3/K 2.000	5273115130	32	2.000	8,9	60	47	52069906
AS3/K 2.400	5273115140	36	2.400	9,3	62	47,5	52069906
AS3/K 3.000	5273115150	40	3.000	10,0	65	47,5	52069906
DN 80 DIN PN 16 flange							
Type	Code nr.	Nozzle orifice Ø (mm.)	Flowrate at 8 bar (lt./min.)	Pressure at inlet flange (bar)	Range of jet (mt.) *	Weight (Kg)	Dwg. nr.
AS3/K 1.000	5273110110	24	1.000	8,2	50	47	52069906
AS3/K 1.600	5273110120	30	1.600	8,6	55	47	52069906
AS3/K 2.000	5273110130	32	2.000	8,9	60	47	52069906
AS3/K 2.400	5273110140	36	2.400	9,3	62	47,5	52069906
AS3/K 3.000	5273110150	40	3.000	10,0	65	47,5	52069906

\* Minimum warranted range of jet at nominal pressure.



## AS3/MS, LL, with adjustable full jet/fog jet nozzle

- Handwheels operated water monitor AS3/MS type,
- body seawater resistant light alloy EN AB 42000-Al Si 7 MgTA,
  - handwheels operation with self-arresting worm gears,
  - horizontal and vertical movements on self-lubricating Lubrifon slide bearings and teflon rings with greasing nipples,  
rotation 360°,  
elevation +80°/-55°,
  - inlet flange 4" ANSI 150 lbs R.F., or DN 100 DIN PN 16  
alternatively inlet flange 3" ANSI 150 lbs R.F., or DN 80 DIN PN 16
  - with MS-type manually adjustable water nozzle for full jet and fog jet (max. spray angle 130°) in seawater resistant light alloy EN AB 42000-Al Si 7 MgTA,  
flowrate 1.800 lt/min,
  - external protective painting: sandblasting SA 2,5, n.1 epoxy primer coat d.f.t. ≥40μ,  
n.2 final polyurethanic coat red RAL 3000, d.f.t. ≥30μ each,  
total d.f.t. ≥100μ

4" ANSI 150 lbs R.F. flange						
Type	Code nr.	Flowrate at 8 bar (lt./min.)	Pressure at inlet flange (bar)	Range of jet (mt.) *	Weight (Kg)	Dwg. nr.
AS3/MS 1.800	5273116000	1.800	8,7	40	30	52069910
DN 100 DIN PN 16 flange						
Type	Code nr.	Flowrate at 8 bar (lt./min.)	Pressure at inlet flange (bar)	Range of jet (mt.) *	Weight (Kg)	Dwg. nr.
AS3/MS 1.800	5273111000	1.800	8,7	40	30	52069910
3" ANSI 150 lbs R.F. flange						
Type	Code nr.	Flowrate at 8 bar (lt./min.)	Pressure at inlet flange (bar)	Range of jet (mt.) *	Weight (Kg)	Dwg. nr.
AS3/MS 1.800	5273115000	1.800	8,7	40	30	52069910
DN 80 DIN PN 16 flange						
Type	Code nr.	Flowrate at 8 bar (lt./min.)	Pressure at inlet flange (bar)	Range of jet (mt.) *	Weight (Kg)	Dwg. nr.
AS3/MS 1.800	5273110000	1.800	8,7	40	30	52069910

\* Minimum warranted range of jet at nominal pressure.



## AS3/A, LL, with foam/water pipe

- Handwheels operated foam/water monitor AS3/A type,
- body seawater resistant light alloy EN AB 42000-Al Si 7 MgTA,
  - handwheels operation with self-arresting worm gears,
  - horizontal and vertical movements on self-lubricating Lubrifon slide bearings and teflon rings with greasing nipples,  
rotation 360°,  
elevation +80°/-55°,
  - inlet flange 4" ANSI 150 lbs R.F., or DN 100 DIN PN 16  
alternatively inlet flange 3" ANSI 150 lbs R.F., or DN 80 DIN PN 16
  - with combined foam/water pipe A type,  
nozzle light alloy EN AB 42000-Al Si 7 MgTA, pipe stainless steel AISI 304,  
flowrate 1.000 lt/min to 3.000 lt/min,
  - external protective painting: sandblasting SA 2,5, n.1 epoxy primer coat d.f.t. ≥40μ,  
n.2 final polyurethanic coat red RAL 3000, d.f.t. ≥30μ each,  
total d.f.t. ≥100μ

4" ANSI 150 lbs R.F. flange							
Type	Code nr.	Foam pipe type	Flowrate at 8 bar (lt./min.)	Pressure at inlet flange (bar)	Range of jet (mt.) *	Weight (Kg)	Dwg. nr.
AS3/A 1.000	5273116410	A 1.000	1.000	8,2	45	49	52069916
AS3/A 1.600	5273116420	A 1.600	1.600	8,6	50	49	52069916
AS3/A 2.000	5273116430	A 2.000	2.000	8,9	54	50	52069916
AS3/A 2.400	5273116440	A 2.400	2.400	9,3	56	50	52069916
AS3/A 3.000	5273116450	A 3.000	3.000	10,0	60	51	52069916
DN 100 DIN PN 16 flange							
Type	Code nr.	Foam pipe type	Flowrate at 8 bar (lt./min.)	Pressure at inlet flange (bar)	Range of jet (mt.) *	Weight (Kg)	Dwg. nr.
AS3/A 1.000	5273111410	A 1.000	1.000	8,2	45	49	52069916
AS3/A 1.600	5273111420	A 1.600	1.600	8,6	50	49	52069916
AS3/A 2.000	5273111430	A 2.000	2.000	8,9	54	50	52069916
AS3/A 2.400	5273111440	A 2.400	2.400	9,3	56	50	52069916
AS3/A 3.000	5273111450	A 3.000	3.000	10,0	60	51	52069916

\* Minimum warranted range of jet at nominal pressure.



3" ANSI 150 lbs R.F. flange							
Type	Code nr.	Foam pipe type	Flowrate at 8 bar (lt./min.)	Pressure at inlet flange (bar)	Range of jet (mt.) *	Weight (Kg)	Dwg. nr.
AS3/A 1.000	5273115410	A 1.000	1.000	8,2	45	49	52069916
AS3/A 1.600	5273115420	A 1.600	1.600	8,6	50	49	52069916
AS3/A 2.000	5273115430	A 2.000	2.000	8,9	54	50	52069916
AS3/A 2.400	5273115440	A 2.400	2.400	9,3	56	50	52069916
AS3/A 3.000	5273115450	A 3.000	3.000	10,0	60	51	52069916
DN 80 DIN PN 16 flange							
Type	Code nr.	Foam pipe type	Flowrate at 8 bar (lt./min.)	Pressure at inlet flange (bar)	Range of jet (mt.) *	Weight (Kg)	Dwg. nr.
AS3/A 1.000	5273110410	A 1.000	1.000	8,2	45	49	52069916
AS3/A 1.600	5273110420	A 1.600	1.600	8,6	50	49	52069916
AS3/A 2.000	5273110430	A 2.000	2.000	8,9	54	50	52069916
AS3/A 2.400	5273110440	A 2.400	2.400	9,3	56	50	52069916
AS3/A 3.000	5273110450	A 3.000	3.000	10,0	60	51	52069916

\* Minimum warranted range of jet at nominal pressure.





## AS3/A-Def, LL, with foam/water pipe and manually operated deflector

- Handwheels operated foam/water monitor AS3/A-Def type,
- body seawater resistant light alloy EN AB 42000-Al Si 7 MgTA,
  - handwheels operation with self-arresting worm gears,
  - horizontal and vertical movements on self-lubricating Lubrifon slide bearings and teflon rings with greasing nipples,  
rotation 360°,  
elevation +80°/-55°,
  - inlet flange 4" ANSI 150 lbs R.F., or DN 100 DIN PN 16  
alternatively inlet flange 3" ANSI 150 lbs R.F., or DN 80 DIN PN 16
  - with combined foam/water pipe A type,  
nozzle light alloy EN AB 42000-Al Si 7 MgTA, pipe stainless steel AISI 304,  
flowrate 1.000 lt/min to 3.000 lt/min,  
with manually operated foam deflector in stainless steel AISI 304 for full jet/flat jet
  - external protective painting: sandblasting SA 2,5, n.1 epoxy primer coat d.f.t. ≥40μ,  
n.2 final polyurethanic coat red RAL 3000, d.f.t. ≥30μ each,  
total d.f.t. ≥100μ

4" ANSI 150 lbs R.F. flange							
Type	Code nr.	Foam pipe type	Flowrate at 8 bar (lt./min.)	Pressure at inlet flange (bar)	Range of jet (mt.) *	Weight (Kg)	Dwg. nr.
AS3/A 1.000-Def	5273116490	A 1.000	1.000	8,2	45	51	52069919
AS3/A 1.600-Def	5273116680	A 1.600	1.600	8,6	50	51	52069919
AS3/A 2.000-Def	5273116470	A 2.000	2.000	8,9	54	52	52069919
AS3/A 2.400-Def	5273116500	A 2.400	2.400	9,3	56	52	52069919
AS3/A 3.000-Def	5273116480	A 3.000	3.000	10,0	60	53	52069919
DN 100 DIN PN 16 flange							
Type	Code nr.	Foam pipe type	Flowrate at 8 bar (lt./min.)	Pressure at inlet flange (bar)	Range of jet (mt.) *	Weight (Kg)	Dwg. nr.
AS3/A 1.000-Def	5273111490	A 1.000	1.000	8,2	45	51	52069919
AS3/A 1.600-Def	5273111680	A 1.600	1.600	8,6	50	51	52069919
AS3/A 2.000-Def	5273111470	A 2.000	2.000	8,9	54	52	52069919
AS3/A 2.400-Def	5273111500	A 2.400	2.400	9,3	56	52	52069919
AS3/A 3.000-Def	5273111480	A 3.000	3.000	10,0	60	53	52069919

\* Minimum warranted range of jet at nominal pressure.



3" ANSI 150 lbs R.F. flange							
Type	Code nr.	Foam pipe type	Flowrate at 8 bar (lt./min.)	Pressure at inlet flange (bar)	Range of jet (mt.) *	Weight (Kg)	Dwg. nr.
AS3/A 1.000-Def	5273115490	A 1.000	1.000	8,2	45	51	52069919
AS3/A 1.600-Def	5273115680	A 1.600	1.600	8,6	50	51	52069919
AS3/A 2.000-Def	5273115470	A 2.000	2.000	8,9	54	52	52069919
AS3/A 2.400-Def	5273115500	A 2.400	2.400	9,3	56	52	52069919
AS3/A 3.000-Def	5273115480	A 3.000	3.000	10,0	60	53	52069919
DN 80 DIN PN 16 flange							
Type	Code nr.	Foam pipe type	Flowrate at 8 bar (lt./min.)	Pressure at inlet flange (bar)	Range of jet (mt.) *	Weight (Kg)	Dwg. nr.
AS3/A 1.000-Def	5273110490	A 1.000	1.000	8,2	45	51	52069919
AS3/A 1.600-Def	5273110680	A 1.600	1.600	8,6	50	51	52069919
AS3/A 2.000-Def	5273110470	A 2.000	2.000	8,9	54	52	52069919
AS3/A 2.400-Def	5273110500	A 2.400	2.400	9,3	56	52	52069919
AS3/A 3.000-Def	5273110480	A 3.000	3.000	10,0	60	53	52069919

\* Minimum warranted range of jet at nominal pressure.



## AS3/AW, LL, with self priming foam/water pipe

- Handwheels operated foam/water monitor AS3/AWtype,
- body seawater resistant light alloy EN AB 42000-Al Si 7 MgTA,
  - handwheels operation with self-arresting worm gears,
  - horizontal and vertical movements on self-lubricating Lubrifon slide bearings and teflon rings with greasing nipples,  
rotation 360°,  
elevation +80°/-55°,
  - inlet flange 4" ANSI 150 lbs R.F., or DN 100 DIN PN 16  
alternatively inlet flange 3" ANSI 150 lbs R.F., or DN 80 DIN PN 16
  - with combined self-priming foam/water pipe AW 1.000 type,  
nozzle light alloy EN AB 42000-Al Si 7 MgTA, pipe stainless steel AISI 304,  
flowrate 1.000 lt/min at 8 bar at pipe (8,2 bar at monitor inlet flange),  
with foam compound admixing percentage regulating valve and 2,5 mt suctioning pipe,  
min. range of jet 45 mt. at nominal flowrate (with water jet)
  - external protective painting: sandblasting SA 2,5, n.1 epoxy primer coat d.f.t. ≥40μ,  
n.2 final polyurethanic coat red RAL 3000, d.f.t. ≥30μ each,  
total d.f.t. ≥100μ

4" ANSI 150 lbs R.F. flange							
Type	Code nr.	Foam pipe type	Flowrate at 8 bar (lt./min.)	Pressure at inlet flange (bar)	Range of jet (mt.) *	Weight (Kg)	Dwg. nr.
AS3/AW 1.000	5273116510	AW 1.000	1.000	8,2	45	55	52069917
AS3/AW 1.600	5273116520	AW 1.600	1.600	8,6	50	55	52069917
AS3/AW 2.000	5273116530	AW 2.000	2.000	8,9	54	56	52069917
AS3/AW 2.400	5273116540	AW 2.400	2.400	9,3	56	56	52069917
AS3/AW 3.000	5273116550	AW 3.000	3.000	10,0	60	58	52069917

DN 100 DIN PN 16 flange							
Type	Code nr.	Foam pipe type	Flowrate at 8 bar (lt./min.)	Pressure at inlet flange (bar)	Range of jet (mt.) *	Weight (Kg)	Dwg. nr.
AS3/AW 1.000	5273111510	AW 1.000	1.000	8,2	45	55	52069917
AS3/AW 1.600	5273111520	AW 1.600	1.600	8,6	50	55	52069917
AS3/AW 2.000	5273111530	AW 2.000	2.000	8,9	54	56	52069917
AS3/AW 2.400	5273111540	AW 2.400	2.400	9,3	56	56	52069917
AS3/AW 3.000	5273111550	AW 3000	3.000	10,0	60	58	52069917

\* Minimum warranted range of jet at nominal pressure.



3" ANSI 150 lbs R.F. flange							
Type	Code nr.	Foam pipe type	Flowrate at 8 bar (lt./min.)	Pressure at inlet flange (bar)	Range of jet (mt.) *	Weight (Kg)	Dwg. nr.
AS3/AW 1.000	5273115510	AW 1.000	1.000	8,2	45	55	52069917
AS3/AW 1.600	5273115520	AW 1.600	1.600	8,6	50	55	52069917
AS3/AW 2.000	5273115530	AW 2.000	2.000	8,9	54	56	52069917
AS3/AW 2.400	5273115540	AW 2.400	2.400	9,3	56	56	52069917
AS3/AW 3.000	5273115550	AW 3.000	3.000	10,0	60	58	52069917
DN 80 DIN PN 16 flange							
Type	Code nr.	Foam pipe type	Flowrate at 8 bar (lt./min.)	Pressure at inlet flange (bar)	Range of jet (mt.) *	Weight (Kg)	Dwg. nr.
AS3/AW 1.000	5273110510	AW 1.000	1.000	8,2	45	55	52069917
AS3/AW 1.600	5273110520	AW 1.600	1.600	8,6	50	55	52069917
AS3/AW 2.000	5273110530	AW 2.000	2.000	8,9	54	56	52069917
AS3/AW 2.400	5273110540	AW 2.400	2.400	9,3	56	56	52069917
AS3/AW 3.000	5273110550	AW 3.000	3.000	10,0	60	58	52069917

\* Minimum warranted range of jet at nominal pressure.



## AS3/AW-Def, LL, with self priming foam/water pipe and manually operated deflector

- Handwheels operated foam/water monitor AS3/AW-Def type,
- body seawater resistant light alloy EN AB 42000-Al Si 7 MgTA,
  - handwheels operation with self-arresting worm gears,
  - horizontal and vertical movements on self-lubricating Lubrifon slide bearings and teflon rings with greasing nipples,  
rotation 360°,  
elevation +80°/-55°,
  - inlet flange 4" ANSI 150 lbs R.F., or DN 100 DIN PN 16  
alternatively inlet flange 3" ANSI 150 lbs R.F., or DN 80 DIN PN 16
  - with combined self-priming foam/water pipe AW type,  
nozzle light alloy EN AB 42000-Al Si 7 MgTA, pipe stainless steel AISI 304,  
flowrate 1.000 lt/min to 3.000 lt/min,  
with foam compound admixing percentage regulating valve and 2,5 mt suctioning pipe,  
with manually operated foam deflector in stainless steel AISI 304 for full jet/flat jet
  - external protective painting: sandblasting SA 2,5, n.1 epoxy primer coat d.f.t. ≥40μ,  
n.2 final polyurethanic coat red RAL 3000, d.f.t. ≥30μ each,  
total d.f.t. ≥100μ

4" ANSI 150 lbs R.F. flange							
Type	Code nr.	Foam pipe type	Flowrate at 8 bar (lt./min.)	Pressure at inlet flange(bar)	Range of jet (mt.) *	Weight (Kg)	Dwg. nr.
AS3/AW 1.000Def	5273116590	AW 1.000	1.000	8,2	45	59	52069918
AS3/AW 1.600Def	5273116780	AW 1.600	1.600	8,6	50	59	52069918
AS3/AW 2.000Def	5273116570	AW 2.000	2.000	8,9	54	60	52069918
AS3/AW 2.400Def	5273116600	AW 2.400	2.400	9,3	56	60	52069918
AS3/AW 3.000Def	5273116580	AW 3.000	3.000	10,0	60	62	52069918
DN 100 DIN PN 16 flange							
Type	Code nr.	Foam pipe type	Flowrate at 8 bar (lt./min.)	Pressure at inlet flange(bar)	Range of jet (mt.) *	Weight (Kg)	Dwg. nr.
AS3/AW 1.000Def	5273111590	AW 1.000	1.000	8,2	45	59	52069918
AS3/AW 1.600Def	5273111780	AW 1.600	1.600	8,6	50	59	52069918
AS3/AW 2.000Def	5273111570	AW 2.000	2.000	8,9	54	60	52069918
AS3/AW 2.400Def	5273111600	AW 2.400	2.400	9,3	56	60	52069918
AS3/AW 3.000Def	5273111580	AW 3000	3.000	10,0	60	62	52069918

\* Minimum warranted range of jet at nominal pressure.



3" ANSI 150 lbs R.F. flange							
Type	Code nr.	Foam pipe type	Flowrate at 8 bar (lt./min.)	Pressure at inlet flange(bar)	Range of jet (mt.) *	Weight (Kg)	Dwg. nr.
AS3/AW 1.000Def	5273115590	AW 1.000	1.000	8,2	45	59	52069918
AS3/AW 1.600Def	5273115780	AW 1.600	1.600	8,6	50	59	52069918
AS3/AW 2.000Def	5273115570	AW 2.000	2.000	8,9	54	60	52069918
AS3/AW 2.400Def	5273115600	AW 2.400	2.400	9,3	56	60	52069918
AS3/AW 3.000Def	5273115580	AW 3.000	3.000	10,0	60	62	52069918
DN 80 DIN PN 16 flange							
Type	Code nr.	Foam pipe type	Flowrate at 8 bar (lt./min.)	Pressure at inlet flange(bar)	Range of jet (mt.) *	Weight (Kg)	Dwg. nr.
AS3/AW 1.000Def	5273110590	AW 1.000	1.000	8,2	45	59	52069918
AS3/AW 1.600Def	5273110780	AW 1.600	1.600	8,6	50	59	52069918
AS3/AW 2.000Def	5273110570	AW 2.000	2.000	8,9	54	60	52069918
AS3/AW 2.400Def	5273110600	AW 2.400	2.400	9,3	56	60	52069918
AS3/AW 3.000Def	5273110580	AW 3.000	3.000	10,0	60	62	52069918

\* Minimum warranted range of jet at nominal pressure.



## AS3/V1/AW/K, LL, double pipe, with self priming foam/water pipe and water pipe with adjustable full jet/spray jet nozzle

- Handwheels operated double pipe foam/water monitor S3/V1/AW/K type,
- body seawater resistant light alloy EN AB 42000-Al Si 7 MgTA,
  - handwheels operation with self-arresting worm gears,
  - horizontal and vertical movements on self-lubricating Lubrifon slide bearings and teflon rings with greasing nipples, rotation 360°, elevation +80°/-55°,
  - inlet flange 4" ANSI 150 lbs R.F., or DN 100 DIN PN 16 alternatively inlet flange 3" ANSI 150 lbs R.F., or DN 80 DIN PN 16
  - with selector ball valve V1 type in light alloy EN AB 42000-Al Si 7 MgTA for foam/water double pipe operation,
  - with water pipe in light alloy complete with internal flow stabilizers and K-type manually adjustable water nozzle for full jet and spray jet (max.spray angle 30°) in seawater resistant light alloy EN AB 42000-Al Si 7 MgTA, flowrate 1.000 lt/min to 3.000 lt/min,
  - with combined self-priming foam/water pipe AW type, nozzle light alloy EN AB 42000-Al Si 7 MgTA, pipe stainless steel AISI 304, flowrate 1.000 lt/min to 3.000 lt/min, with foam compound admixing percentage regulating valve and 2,5 mt suctioning pipe,
  - (alt. with manually operated foam deflector in stainless steel AISI 304 for full jet/flat jet)
  - external protective painting: sandblasting SA 2,5, n.1 epoxy primer coat d.f.t. ≥40μ, n.2 final polyurethanic coat red RAL 3000, d.f.t. ≥30μ each, total d.f.t. ≥100μ

4" ANSI 150 lbs R.F. flange						
Type	Nozzle orifice Ø (mm.)	Flowrate at 8 bar (lt./min.)	Pressure at inlet flange (bar)	Range of jet (mt.) *	Weight (Kg)	Code nr. Dwg. nr.
AS3/V1/AW 1.000/K	24	1.000	8,2	50(W)	81	5273116910 52069923
		1.000	8,2	45(F)		
AS3/V1/AW 1.600/K	30	1.600	8,6	55(W)	81	5273116920 52069923
		1.600	8,6	50(F)		
AS3/V1/AW 2.000/K	32	2.000	8,9	60(W)	82	5273116930 52069923
		2.000	8,9	54(F)		
AS3/V1/AW 2.400/K	36	2.400	9,3	62(W)	82	5273116940 52069923
		2.400	9,3	56(F)		
AS3/V1/AW 3.000/K	40	3.000	10,0	65(W)	84	5273116950 52069923
		3.000	10,0	60(F)		

(W)= water pipe (F)= foam pipe

\* Minimum warranted range of jet at nominal pressure.





DN 100 DIN PN 16 flange						
Type	Nozzle orifice Ø (mm.)	Flowrate at 8 bar (lt./min.)	Pressure at inlet flange (bar)	Range of jet (mt.) *	Weight (Kg)	Code nr. Dwg. nr.
AS3/V1/AW 1.000/K	24	1.000	8,2	50(W)	81	5273111910 52069923
		1.000	8,2	45(F)		
AS3/V1/AW 1.600/K	30	1.600	8,6	55(W)	81	5273111920 52069923
		1.600	8,6	50(F)		
AS3/V1/AW 2.000/K	32	2.000	8,9	60(W)	82	5273111930 52069923
		2.000	8,9	54(F)		
AS3/V1/AW 2.400/K	36	2.400	9,3	62(W)	82	5273111940 52069923
		2.400	9,3	56(F)		
AS3/V1/AW 3.000/K	40	3.000	10,0	65(W)	84	5273111950 52069923
		3.000	10,0	60(F)		

3" ANSI 150 lbs R.F. flange						
Type	Nozzle orifice Ø (mm.)	Flowrate at 8 bar (lt./min.)	Pressure at inlet flange (bar)	Range of jet (mt.) *	Weight (Kg)	Code nr. Dwg. nr.
AS3/V1/AW 1.000/K	24	1.000	8,2	50(W)	81	5273115910 52069923
		1.000	8,2	45(F)		
AS3/V1/AW 1.600/K	30	1.600	8,6	55(W)	81	5273115920 52069923
		1.600	8,6	50(F)		
AS3/V1/AW 2.000/K	32	2.000	8,9	60(W)	82	5273115930 52069923
		2.000	8,9	54(F)		
AS3/V1/AW 2.400/K	36	2.400	9,3	62(W)	82	5273115940 52069923
		2.400	9,3	56(F)		
AS3/V1/AW 3.000/K	40	3.000	10,0	65(W)	84	5273115950 52069923
		3.000	10,0	60(F)		

DN 80 DIN PN 16 flange						
Type	Nozzle orifice Ø (mm.)	Flowrate at 8 bar (lt./min.)	Pressure at inlet flange (bar)	Range of jet (mt.) *	Weight (Kg)	Code nr. Dwg. nr.
AS3/V1/AW 1.000/K	24	1.000	8,2	50(W)	81	5273110910 52069923
		1.000	8,2	45(F)		
AS3/V1/AW 1.600/K	30	1.600	8,6	55(W)	81	5273110920 52069923
		1.600	8,6	50(F)		
AS3/V1/AW 2.000/K	32	2.000	8,9	60(W)	82	5273110930 52069923
		2.000	8,9	54(F)		
AS3/V1/AW 2.400/K	36	2.400	9,3	62(W)	82	5273110940 52069923
		2.400	9,3	56(F)		
AS3/V1/AW 3.000/K	40	3.000	10,0	65(W)	84	5273110950 52069923
		3.000	10,0	60(F)		

(W)= water pipe      (F)= foam pipe

\* Minimum warranted range of jet at nominal pressure.





## AS3 Monitors Bz

### AS3/F, Bz, with water pipe and full jet nozzle

- Handwheels operated water monitor AS3/F type,
- body Bronze B ZN 7 for seawater service,
  - handwheels operation with self-arresting worm gears,
  - horizontal and vertical movements on self-lubricating Lubrifon slide bearings and teflon rings with greasing nipples, rotation 360°, elevation +80°/-55°,
  - inlet flange 4" ANSI 150 lbs R.F., or DN 100 DIN PN 16 alternatively inlet flange 3" ANSI 150 lbs R.F., or DN 80 DIN PN 16
  - with water pipe in light alloy complete with internal flow stabilizers and water full jet nozzle in seawater resistant light alloy EN AB 42000-Al Si 7 MgTA, flowrate 1.000 lt/min to 3.000 lt/min,
  - external protective painting: sandblasting SA 2,5, n.1 epoxy primer coat d.f.t. ≥40μ, n.2 final polyurethanic coat red RAL 3000, d.f.t. ≥30μ each, total d.f.t. ≥100μ

4" ANSI 150 lbs R.F. flange							
Type	Code nr.	Nozzle orifice Ø (mm.)	Flowrate at 8 bar (lt./min.)	Pressure at inlet flange (bar)	Range of jet (mt.) *	Weight (Kg)	Dwg. nr.
AS3/F 1.000	5273216010	24	1.000	8,2	50	65	52069901
AS3/F 1.600	5273216020	30	1.600	8,6	55	65	52069901
AS3/F 2.000	5273216030	32	2.000	8,9	60	65	52069901
AS3/F 2.400	5273216040	36	2.400	9,3	62	65	52069901
AS3/F 3.000	5273216050	40	3.000	10,0	65	65	52069901
DN 100 DIN PN 16 flange							
Type	Code nr.	Nozzle orifice Ø (mm.)	Flowrate at 8 bar (lt./min.)	Pressure at inlet flange (bar)	Range of jet (mt.) *	Weight (Kg)	Dwg. nr.
AS3/F 1.000	5273211010	24	1.000	8,2	50	65	52069901
AS3/F 1.600	5273211020	30	1.600	8,6	55	65	52069901
AS3/F 2.000	5273211030	32	2.000	8,9	60	65	52069901
AS3/F 2.400	5273211040	36	2.400	9,3	62	65	52069901
AS3/F 3.000	5273211050	40	3.000	10,0	65	65	52069901

\* Minimum warranted range of jet at nominal pressure.



3" ANSI 150 lbs R.F. flange							
Type	Code nr.	Nozzle orifice Ø (mm.)	Flowrate at 8 bar (lt./min.)	Pressure at inlet flange (bar)	Range of jet (mt.) *	Weight (Kg)	Dwg. nr.
AS3/F 1.000	5273215010	24	1.000	8,2	50	64	52069901
AS3/F 1.600	5273215020	30	1.600	8,6	55	64	52069901
AS3/F 2.000	5273215030	32	2.000	8,9	60	64	52069901
AS3/F 2.400	5273215040	36	2.400	9,3	62	64	52069901
AS3/F 3.000	5273215050	40	3.000	10,0	65	64	52069901
DN 80 DIN PN 16 flange							
Type	Code nr.	Nozzle orifice Ø (mm.)	Flowrate at 8 bar (lt./min.)	Pressure at inlet flange (bar)	Range of jet (mt.) *	Weight (Kg)	Dwg. nr.
AS3/F 1.000	5273210010	24	1.000	8,2	50	64	52069901
AS3/F 1.600	5273210020	30	1.600	8,6	55	64	52069901
AS3/F 2.000	5273210030	32	2.000	8,9	60	64	52069901
AS3/F 2.400	5273210040	36	2.400	9,3	62	64	52069901
AS3/F 3.000	5273210050	40	3.000	10,0	65	64	52069901

\* Minimum warranted range of jet at nominal pressure.



## AS3/K, Bz, with water pipe and adjustable full jet/spray jet nozzle

Handwheels operated water monitor AS3/K type,

- body Bronze B ZN 7 for seawater service,
- handwheels operation with self-arresting worm gears,
- horizontal and vertical movements on self-lubricating Lubrifon slide bearings and teflon rings with greasing nipples, rotation 360°, elevation +80°/-55°,
- inlet flange 4" ANSI 150 lbs R.F., or DN 100 DIN PN 16 alternatively inlet flange 3" ANSI 150 lbs R.F., or DN 80 DIN PN 16
- with water pipe in light alloy complete with internal flow stabilizers and K-type manually adjustable water nozzle for full jet and spray jet (max. spray angle 30°) in seawater resistant light alloy EN AB 42000-Al Si 7 MgTA, flowrate 1.000 lt./min to 3.000 lt./min,
- external protective painting: sandblasting SA 2,5, n.1 epoxy primer coat d.f.t. ≥40μ, n.2 final polyurethanic coat red RAL 3000, d.f.t. ≥30μ each, total d.f.t. ≥100μ

4" ANSI 150 lbs R.F. flange							
Type	Code nr.	Nozzle orifice Ø (mm.)	Flowrate at 8 bar (lt./min.)	Pressure at inlet flange (bar)	Range of jet (mt.) *	Weight (Kg)	Dwg. nr.
AS3/K 1.000	5273216110	24	1.000	8,2	50	86,5	52069906
AS3/K 1.600	5273216120	30	1.600	8,6	55	86,5	52069906
AS3/K 2.000	5273216130	32	2.000	8,9	60	86,5	52069906
AS3/K 2.400	5273216140	36	2.400	9,3	62	86,5	52069906
AS3/K 3.000	5273216150	40	3.000	10,0	65	86,5	52069906
DN 100 DIN PN 16 flange							
Type	Code nr.	Nozzle orifice Ø (mm.)	Flowrate at 8 bar (lt./min.)	Pressure at inlet flange (bar)	Range of jet (mt.) *	Weight (Kg)	Dwg. nr.
AS3/K 1.000	5273211110	24	1.000	8,2	50	86,5	52069906
AS3/K 1.600	5273211120	30	1.600	8,6	55	86,5	52069906
AS3/K 2.000	5273211130	32	2.000	8,9	60	86,5	52069906
AS3/K 2.400	5273211140	36	2.400	9,3	62	86,5	52069906
AS3/K 3.000	5273211150	40	3.000	10,0	65	86,5	52069906

\* Minimum warranted range of jet at nominal pressure.



3" ANSI 150 lbs R.F. flange							
Type	Code nr.	Nozzle orifice Ø (mm.)	Flowrate at 8 bar (lt./min.)	Pressure at inlet flange (bar)	Range of jet (mt.) *	Weight (Kg)	Dwg. nr.
AS3/K 1.000	5273215110	24	1.000	8,2	50	86,5	52069906
AS3/K 1.600	5273215120	30	1.600	8,6	55	86,5	52069906
AS3/K 2.000	5273215130	32	2.000	8,9	60	86,5	52069906
AS3/K 2.400	5273215140	36	2.400	9,3	62	86,5	52069906
AS3/K 3.000	5273215150	40	3.000	10,0	65	86,5	52069906
DN 80 DIN PN 16 flange							
Type	Code nr.	Nozzle orifice Ø (mm.)	Flowrate at 8 bar (lt./min.)	Pressure at inlet flange (bar)	Range of jet (mt.) *	Weight (Kg)	Dwg. nr.
AS3/K 1.000	5273210110	24	1.000	8,2	50	86,5	52069906
AS3/K 1.600	5273210120	30	1.600	8,6	55	86,5	52069906
AS3/K 2.000	5273210130	32	2.000	8,9	60	86,5	52069906
AS3/K 2.400	5273210140	36	2.400	9,3	62	86,5	52069906
AS3/K 3.000	5273210150	40	3.000	10,0	65	86,5	52069906

\* Minimum warranted range of jet at nominal pressure.



## AS3/MS, Bz, with adjustable full jet/fog jet nozzle

Handwheels operated water monitor AS3/MS type,

- body Bronze B ZN 7 for seawater service,
- handwheels operation with self-arresting worm gears,
- horizontal and vertical movements on self-lubricating Lubrifon slide bearings and teflon rings with greasing nipples,  
rotation 360°,  
elevation +80°/-55°,
- inlet flange 4" ANSI 150 lbs R.F., or DN 100 DIN PN 16  
alternatively inlet flange 3" ANSI 150 lbs R.F., or DN 80 DIN PN 16
- with MS-type manually adjustable water nozzle for full jet and fog jet (max. spray angle 130°) in Bronze B ZN 7,  
flowrate 1.800 lt/min,
- external protective painting: sandblasting SA 2,5, n.1 epoxy primer coat d.f.t. ≥40μ,  
n.2 final polyurethanic coat red RAL 3000, d.f.t. ≥30μ each,  
total d.f.t. ≥100μ

4" ANSI 150 lbs R.F. flange						
Type	Code nr.	Flowrate at 8 bar (lt./min.)	Pressure at inlet flange (bar)	Range of jet (mt.) *	Weight (Kg)	Dwg. nr.
AS3/MS 1.800	5273216000	1.800	8,7	40	85	52069910
DN 100 DIN PN 16 flange						
Type	Code nr.	Flowrate at 8 bar (lt./min.)	Pressure at inlet flange (bar)	Range of jet (mt.) *	Weight (Kg)	Dwg. nr.
AS3/MS 1.800	5273211000	1.800	8,7	40	85	52069910
3" ANSI 150 lbs R.F. flange						
Type	Code nr.	Flowrate at 8 bar (lt./min.)	Pressure at inlet flange (bar)	Range of jet (mt.) *	Weight (Kg)	Dwg. nr.
AS3/MS 1.800	5273215000	1.800	8,7	40	84	52069910
DN 80 DIN PN 16 flange						
Type	Code nr.	Flowrate at 8 bar (lt./min.)	Pressure at inlet flange (bar)	Range of jet (mt.) *	Weight (Kg)	Dwg. nr.
AS3/MS 1.800	5273211000	1.800	8,7	40	84	52069910

\* Minimum warranted range of jet at nominal pressure.



## AS3/A, Bz, with foam/water pipe

Handwheels operated foam/water monitor AS3/A type,

- body Bronze B ZN 7 for seawater service,
- handwheels operation with self-arresting worm gears,
- horizontal and vertical movements on self-lubricating Lubrifon slide bearings and teflon rings with greasing nipples,  
rotation 360°,  
elevation +80°/-55°,
- inlet flange 4" ANSI 150 lbs R.F., or DN 100 DIN PN 16  
alternatively inlet flange 3" ANSI 150 lbs R.F., or DN 80 DIN PN 16
- with combined foam/water pipe A type,  
nozzle Bronze B ZN 7, pipe stainless steel AISI 304,  
flowrate 1.000 lt/min to 3.000 lt/min,
- external protective painting: sandblasting SA 2,5, n.1 epoxy primer coat d.f.t. ≥40μ,  
n.2 final polyurethanic coat red RAL 3000, d.f.t. ≥30μ each,  
total d.f.t. ≥100μ

4" ANSI 150 lbs R.F. flange							
Type	Code nr.	Foam pipe type	Flowrate at 8 bar (lt./min.)	Pressure at inlet flange (bar)	Range of jet (mt.) *	Weight (Kg)	Dwg. nr.
AS3/A 1.000	5273216410	A 1.000	1.000	8,2	45	94	52069916
AS3/A 1.600	5273216420	A 1.600	1.600	8,6	50	94	52069916
AS3/A 2.000	5273216430	A 2.000	2.000	8,9	54	95	52069916
AS3/A 2.400	5273216440	A 2.400	2.400	9,3	56	95	52069916
AS3/A 3.000	5273216450	A 3.000	3.000	10,0	60	96	52069916
DN 100 DIN PN 16 flange							
Type	Code nr.	Foam pipe type	Flowrate at 8 bar (lt./min.)	Pressure at inlet flange (bar)	Range of jet (mt.) *	Weight (Kg)	Dwg. nr.
AS3/A 1.000	5273211410	A 1.000	1.000	8,2	45	94	52069916
AS3/A 1.600	5273211420	A 1.600	1.600	8,6	50	94	52069916
AS3/A 2.000	5273211430	A 2.000	2.000	8,9	54	95	52069916
AS3/A 2.400	5273211440	A 2.400	2.400	9,3	56	95	52069916
AS3/A 3.000	5273211450	A 3.000	3.000	10,0	60	96	52069916

\* Minimum warranted range of jet at nominal pressure.



3" ANSI 150 lbs R.F. flange							
Type	Code nr.	Foam pipe type	Flowrate at 8 bar (lt./min.)	Pressure at inlet flange (bar)	Range of jet (mt.) *	Weight (Kg)	Dwg. nr.
AS3/A 1.000	5273215410	A 1.000	1.000	8,2	45	93	52069916
AS3/A 1.600	5273215420	A 1.600	1.600	8,6	50	93	52069916
AS3/A 2.000	5273215430	A 2.000	2.000	8,9	54	94	52069916
AS3/A 2.400	5273215440	A 2.400	2.400	9,3	56	94	52069916
AS3/A 3.000	5273215450	A 3.000	3.000	10,0	60	95	52069916
DN 80 DIN PN 16 flange							
Type	Code nr.	Foam pipe type	Flowrate at 8 bar (lt./min.)	Pressure at inlet flange (bar)	Range of jet (mt.) *	Weight (Kg)	Dwg. nr.
AS3/A 1.000	5273210410	A 1.000	1.000	8,2	45	93	52069916
AS3/A 1.600	5273210420	A 1.600	1.600	8,6	50	93	52069916
AS3/A 2.000	5273210430	A 2.000	2.000	8,9	54	94	52069916
AS3/A 2.400	5273210440	A 2.400	2.400	9,3	56	94	52069916
AS3/A 3.000	5273210450	A 3.000	3.000	10,0	60	95	52069916

\* Minimum warranted range of jet at nominal pressure.



## AS3/A-Def, Bz, with foam/water pipe and manually operated deflector

- Handwheels operated foam/water monitor AS3/A-Def type,
- body Bronze B ZN 7 for seawater service,
  - handwheels operation with self-arresting worm gears,
  - horizontal and vertical movements on self-lubricating Lubrifon slide bearings and teflon rings with greasing nipples,  
rotation 360°,  
elevation +80°/-55°,
  - inlet flange 4" ANSI 150 lbs R.F., or DN 100 DIN PN 16  
alternatively inlet flange 3" ANSI 150 lbs R.F., or DN 80 DIN PN 16
  - with combined foam/water pipe A type,  
nozzle Bronze B ZN 7, pipe stainless steel AISI 304,  
flowrate 1.000 lt/min to 3.000 lt/min,  
with manually operated foam deflector in stainless steel AISI 304 for full jet/flat jet
  - external protective painting: sandblasting SA 2,5, n.1 epoxy primer coat d.f.t. ≥40μ,  
n.2 final polyurethanic coat red RAL 3000, d.f.t. ≥30μ each,  
total d.f.t. ≥100μ

4" ANSI 150 lbs R.F. flange							
Type	Code nr.	Foam pipe type	Flowrate at 8 bar (lt./min.)	Pressure at inlet flange (bar)	Range of jet (mt.) *	Weight (Kg)	Dwg. nr.
AS3/A 1.000-Def	5273216490	A 1.000	1.000	8,2	45	100	52069919
AS3/A 1.600-Def	5273216680	A 1.600	1.600	8,6	50	100	52069919
AS3/A 2.000-Def	5273216470	A 2.000	2.000	8,9	54	101	52069919
AS3/A 2.400-Def	5273216500	A 2.400	2.400	9,3	56	101	52069919
AS3/A 3.000-Def	5273216480	A 3.000	3.000	10,0	60	102	52069919
DN 100 DIN PN 16 flange							
Type	Code nr.	Foam pipe type	Flowrate at 8 bar (lt./min.)	Pressure at inlet flange (bar)	Range of jet (mt.) *	Weight (Kg)	Dwg. nr.
AS3/A 1.000-Def	5273211490	A 1.000	1.000	8,2	45	100	52069919
AS3/A 1.600-Def	5273211680	A 1.600	1.600	8,6	50	100	52069919
AS3/A 2.000-Def	5273211470	A 2.000	2.000	8,9	54	101	52069919
AS3/A 2.400-Def	5273211500	A 2.400	2.400	9,3	56	101	52069919
AS3/A 3.000-Def	5273211480	A 3.000	3.000	10,0	60	102	52069919

\* Minimum warranted range of jet at nominal pressure.





3" ANSI 150 lbs R.F. flange							
Type	Code nr.	Foam pipe type	Flowrate at 8 bar (lt./min.)	Pressure at inlet flange (bar)	Range of jet (mt.) *	Weight (Kg)	Dwg. nr.
AS3/A 1.000-Def	5273215490	A 1.000	1.000	8,2	45	99	52069919
AS3/A 1.600-Def	5273215680	A 1.600	1.600	8,6	50	99	52069919
AS3/A 2.000-Def	5273215470	A 2.000	2.000	8,9	54	100	52069919
AS3/A 2.400-Def	5273215500	A 2.400	2.400	9,3	56	100	52069919
AS3/A 3.000-Def	5273215480	A 3.000	3.000	10,0	60	101	52069919
DN 80 DIN PN 16 flange							
Type	Code nr.	Foam pipe type	Flowrate at 8 bar (lt./min.)	Pressure at inlet flange (bar)	Range of jet (mt.) *	Weight (Kg)	Dwg. nr.
AS3/A 1.000-Def	5273210490	A 1.000	1.000	8,2	45	99	52069919
AS3/A 1.600-Def	5273210680	A 1.600	1.600	8,6	50	99	52069919
AS3/A 2.000-Def	5273210470	A 2.000	2.000	8,9	54	100	52069919
AS3/A 2.400-Def	5273210500	A 2.400	2.400	9,3	56	100	52069919
AS3/A 3.000-Def	5273210480	A 3.000	3.000	10,0	60	101	52069919

\* Minimum warranted range of jet at nominal pressure.



## AS3/AW, Bz, with self priming foam/water pipe

Handwheels operated foam/water monitor AS3/AW type,

- body Bronze B ZN 7 for seawater service,
- handwheels operation with self-arresting worm gears,
- horizontal and vertical movements on self-lubricating Lubrifon slide bearings and teflon rings with greasing nipples,  
rotation 360°,  
elevation +80°/-55°,
- inlet flange 4" ANSI 150 lbs R.F., or DN 100 DIN PN 16  
alternatively inlet flange 3" ANSI 150 lbs R.F., or DN 80 DIN PN 16
- with combined self-priming foam/water pipe AW type,  
nozzle Bronze B ZN 7, pipe stainless steel AISI 304,  
flowrate 1.000 lt/min to 3.000 lt/min,  
with foam compound admixing percentage regulating valve and 2,5 mt suctioning pipe,
- external protective painting: sandblasting SA 2,5, n.1 epoxy primer coat d.f.t. ≥40μ,  
n.2 final polyurethanic coat red RAL 3000, d.f.t. ≥30μ each,  
total d.f.t. ≥100μ

4" ANSI 150 lbs R.F. flange							
Type	Code nr.	Foam pipe type	Flowrate at 8 bar (lt./min.)	Pressure at inlet flange (bar)	Range of jet (mt.) *	Weight (Kg)	Dwg. nr.
AS3/AW 1.000	5273216510	AW 1.000	1.000	8,2	45	103	52069917
AS3/AW 1.600	5273216520	AW 1.600	1.600	8,6	50	103	52069917
AS3/AW 2.000	5273216530	AW 2.000	2.000	8,9	54	105	52069917
AS3/AW 2.400	5273216540	AW 2.400	2.400	9,3	56	105	52069917
AS3/AW 3.000	5273216550	AW 3.000	3.000	10,0	60	109	52069917
DN 100 DIN PN 16 flange							
Type	Code nr.	Foam pipe type	Flowrate at 8 bar (lt./min.)	Pressure at inlet flange (bar)	Range of jet (mt.) *	Weight (Kg)	Dwg. nr.
AS3/AW 1.000	5273211510	AW 1.000	1.000	8,2	45	103	52069917
AS3/AW 1.600	5273211520	AW 1.600	1.600	8,6	50	103	52069917
AS3/AW 2.000	5273211530	AW 2.000	2.000	8,9	54	105	52069917
AS3/AW 2.400	5273211540	AW 2.400	2.400	9,3	56	105	52069917
AS3/AW 3.000	5273211550	AW 3000	3.000	10,0	60	109	52069917

\* Minimum warranted range of jet at nominal pressure.



3" ANSI 150 lbs R.F. flange							
Type	Code nr.	Foam pipe type	Flowrate at 8 bar (lt./min.)	Pressure at inlet flange (bar)	Range of jet (mt.) *	Weight (Kg)	Dwg. nr.
AS3/AW 1.000	5273215510	AW 1.000	1.000	8,2	45	102	52069917
AS3/AW 1.600	5273215520	AW 1.600	1.600	8,6	50	102	52069917
AS3/AW 2.000	5273215530	AW 2.000	2.000	8,9	54	104	52069917
AS3/AW 2.400	5273215540	AW 2.400	2.400	9,3	56	104	52069917
AS3/AW 3.000	5273215550	AW 3.000	3.000	10,0	60	108	52069917
DN 80 DIN PN 16 flange							
Type	Code nr.	Foam pipe type	Flowrate at 8 bar (lt./min.)	Pressure at inlet flange (bar)	Range of jet (mt.) *	Weight (Kg)	Dwg. nr.
AS3/AW 1.000	5273210510	AW 1.000	1.000	8,2	45	102	52069917
AS3/AW 1.600	5273210520	AW 1.600	1.600	8,6	50	102	52069917
AS3/AW 2.000	5273210530	AW 2.000	2.000	8,9	54	104	52069917
AS3/AW 2.400	5273210540	AW 2.400	2.400	9,3	56	104	52069917
AS3/AW 3.000	5273210550	AW 3.000	3.000	10,0	60	108	52069917

\* Minimum warranted range of jet at nominal pressure.



## AS3/AW, Bz, with self priming foam/water pipe and manually operated deflector

Handwheels operated foam/water monitor AS3/AW-Def type,

- body Bronze B ZN 7 for seawater service,
- handwheels operation with self-arresting worm gears,
- horizontal and vertical movements on self-lubricating Lubrifon slide bearings and teflon rings with greasing nipples,  
rotation 360°,  
elevation +80°/-55°,
- inlet flange 4" ANSI 150 lbs R.F., or DN 100 DIN PN 16  
alternatively inlet flange 3" ANSI 150 lbs R.F., or DN 80 DIN PN 16
- with combined self-priming foam/water pipe AW type,  
nozzle Bronze B ZN 7, pipe stainless steel AISI 304,  
flowrate 1.000 lt/min to 3.000 lt/min,  
with foam compound admixing percentage regulating valve and 2,5 mt suctioning pipe,  
with manually operated foam deflector in stainless steel AISI 304 for full jet/flat jet
- external protective painting: sandblasting SA 2,5, n.1 epoxy primer coat d.f.t. ≥40μ,  
n.2 final polyurethanic coat red RAL 3000, d.f.t. ≥30μ each,  
total d.f.t. ≥100μ

4" ANSI 150 lbs R.F. flange							
Type	Code nr.	Foam pipe type	Flowrate at 8 bar (lt./min.)	Pressure at inlet flange(bar)	Range of jet (mt.) *	Weight (Kg)	Dwg. nr.
AS3/AW 1.000Def	5273216590	AW 1.000	1.000	8,2	45	118	52069918
AS3/AW 1.600Def	5273216780	AW 1.600	1.600	8,6	50	118	52069918
AS3/AW 2.000Def	5273216570	AW 2.000	2.000	8,9	54	120	52069918
AS3/AW 2.400Def	5273216600	AW 2.400	2.400	9,3	56	120	52069918
AS3/AW 3.000Def	5273216580	AW 3.000	3.000	10,0	60	123	52069918
DN 100 DIN PN 16 flange							
Type	Code nr.	Foam pipe type	Flowrate at 8 bar (lt./min.)	Pressure at inlet flange(bar)	Range of jet (mt.) *	Weight (Kg)	Dwg. nr.
AS3/AW 1.000Def	5273211590	AW 1.000	1.000	8,2	45	118	52069918
AS3/AW 1.600Def	5273211780	AW 1.600	1.600	8,6	50	118	52069918
AS3/AW 2.000Def	5273211570	AW 2.000	2.000	8,9	54	120	52069918
AS3/AW 2.400Def	5273211600	AW 2.400	2.400	9,3	56	120	52069918
AS3/AW 3.000Def	5273211580	AW 3000	3.000	10,0	60	123	52069918

\* Minimum warranted range of jet at nominal pressure.



3" ANSI 150 lbs R.F. flange							
Type	Code nr.	Foam pipe type	Flowrate at 8 bar (lt./min.)	Pressure at inlet flange(bar)	Range of jet (mt.) *	Weight (Kg)	Dwg. nr.
AS3/AW 1.000Def	5273215590	AW 1.000	1.000	8,2	45	117	52069918
AS3/AW 1.600Def	5273215780	AW 1.600	1.600	8,6	50	117	52069918
AS3/AW 2.000Def	5273215570	AW 2.000	2.000	8,9	54	119	52069918
AS3/AW 2.400Def	5273215600	AW 2.400	2.400	9,3	56	119	52069918
AS3/AW 3.000Def	5273215580	AW 3.000	3.000	10,0	60	142	52069918
DN 80 DIN PN 16 flange							
Type	Code nr.	Foam pipe type	Flowrate at 8 bar (lt./min.)	Pressure at inlet flange(bar)	Range of jet (mt.) *	Weight (Kg)	Dwg. nr.
AS3/AW 1.000Def	5273210590	AW 1.000	1.000	8,2	45	117	52069918
AS3/AW 1.600Def	5273210780	AW 1.600	1.600	8,6	50	117	52069918
AS3/AW 2.000Def	5273210570	AW 2.000	2.000	8,9	54	119	52069918
AS3/AW 2.400Def	5273210600	AW 2.400	2.400	9,3	56	119	52069918
AS3/AW 3.000Def	5273210580	AW 3.000	3.000	10,0	60	142	52069918

\* Minimum warranted range of jet at nominal pressure.



## AS3/V1/AW/K, Bz, double pipe, with self priming foam/water pipe and water pipe with adjustable full jet/spray jet nozzle

- Handwheels operated double pipe foam/water monitor AS3/V1/AW/K type,
- body Bronze B ZN 7 for seawater service,
  - handwheels operation with self-arresting worm gears,
  - horizontal and vertical movements on self-lubricating Lubrifon slide bearings and teflon rings with greasing nipples, rotation 360°, elevation +80°/-55°,
  - inlet flange 4" ANSI 150 lbs R.F., or DN 100 DIN PN 16 alternatively inlet flange 3" ANSI 150 lbs R.F., or DN 80 DIN PN 16
  - with selector ball valve V1 type in light alloy EN AB 42000-Al Si 7 MgTA for foam/water double pipe operation,
  - with water pipe in light alloy complete with internal flow stabilizers and K-type manually adjustable water nozzle for full jet and spray jet (max.spray angle 30°) in seawater resistant light alloy EN AB 42000-Al Si 7 MgTA, flowrate 1.000 lt/min to 3.000 lt/min,
  - with combined self-priming foam/water pipe AW type, nozzle Bronze B ZN 7, pipe stainless steel AISI 304, flowrate 1.000 lt/min to 3.000 lt/min, with foam compound admixing percentage regulating valve and 2,5 mt suctioning pipe,
  - (alt. with manually operated foam deflector in stainless steel AISI 304 for full jet/flat jet)
  - external protective painting: sandblasting SA 2,5, n.1 epoxy primer coat d.f.t. ≥40μ, n.2 final polyurethanic coat red RAL 3000, d.f.t. ≥30μ each, total d.f.t. ≥100μ

4" ANSI 150 lbs R.F. flange						
Type	Nozzle orifice Ø (mm.)	Flowrate at 8 bar (lt./min.)	Pressure at inlet flange (bar)	Range of jet (mt.) *	Weight (Kg)	Code nr. Dwg. nr.
AS3/V1/AW 1.000/K	24	1.000	8,2	50(W)	129	5273216910
		1.000	8,2	45(F)		52069923
AS3/V1/AW 1.600/K	30	1.600	8,6	55(W)	129	5273216920
		1.600	8,6	50(F)		52069923
AS3/V1/AW 2.000/K	32	2.000	8,9	60(W)	132	5273216930
		2.000	8,9	54(F)		52069923
AS3/V1/AW 2.400/K	36	2.400	9,3	62(W)	132	5273216940
		2.400	9,3	56(F)		52069923
AS3/V1/AW 3.000/K	40	3.000	10,0	65(W)	135	5273216950
		3.000	10,0	60(F)		52069923

(W)= water pipe (F)= foam pipe

\* Minimum warranted range of jet at nominal pressure.



DN 100 DIN PN 16 flange						
Type	Nozzle orifice Ø (mm.)	Flowrate at 8 bar (lt./min.)	Pressure at inlet flange (bar)	Range of jet (mt.)	Weight (Kg)	Code nr. Dwg. nr.
AS3/V1/AW 1.000/K	24	1.000	8,2	50(W)	129	5273211910 52069923
		1.000	8,2	45(F)		
AS3/V1/AW 1.600/K	30	1.600	8,6	55(W)	129	5273211920 52069923
		1.600	8,6	50(F)		
AS3/V1/AW 2.000/K	32	2.000	8,9	60(W)	132	5273211930 52069923
		2.000	8,9	54(F)		
AS3/V1/AW 2.400/K	36	2.400	9,3	62(W)	132	5273211940 52069923
		2.400	9,3	56(F)		
AS3/V1/AW 3.000/K	40	3.000	10,0	65(W)	135	5273211950 52069923
		3.000	10,0	60(F)		

3" ANSI 150 lbs R.F. flange						
Type	Nozzle orifice Ø (mm.)	Flowrate at 8 bar (lt./min.)	Pressure at inlet flange (bar)	Range of jet (mt.) *	Weight (Kg)	Code nr. Dwg. nr.
AS3/V1/AW 1.000/K	24	1.000	8,2	50(W)	128	5273215910 52069923
		1.000	8,2	45(F)		
AS3/V1/AW 1.600/K	30	1.600	8,6	55(W)	128	5273215920 52069923
		1.600	8,6	50(F)		
AS3/V1/AW 2.000/K	32	2.000	8,9	60(W)	131	5273215930 52069923
		2.000	8,9	54(F)		
AS3/V1/AW 2.400/K	36	2.400	9,3	62(W)	131	5273215940 52069923
		2.400	9,3	56(F)		
AS3/V1/AW 3.000/K	40	3.000	10,0	65(W)	134	5273215950 52069923
		3.000	10,0	60(F)		

DN 80 DIN PN 16 flange						
Type	Nozzle orifice Ø (mm.)	Flowrate at 8 bar (lt./min.)	Pressure at inlet flange (bar)	Range of jet (mt.) *	Weight (Kg)	Code nr. Dwg. nr.
AS3/V1/AW 1.000/K	24	1.000	8,2	50(W)	128	5273210910 52069923
		1.000	8,2	45(F)		
AS3/V1/AW 1.600/K	30	1.600	8,6	55(W)	128	5273210920 52069923
		1.600	8,6	50(F)		
AS3/V1/AW 2.000/K	32	2.000	8,9	60(W)	131	5273210930 52069923
		2.000	8,9	54(F)		
AS3/V1/AW 2.400/K	36	2.400	9,3	62(W)	131	5273210940 52069923
		2.400	9,3	56(F)		
AS3/V1/AW 3.000/K	40	3.000	10,0	65(W)	134	5273210950 52069923
		3.000	10,0	60(F)		

(W)= water pipe      (F)= foam pipe

\* Minimum warranted range of jet at nominal pressure.