



AFM FOG PISTOL EVO.1 **AFM FOG PISTOL EVO.2**

CLEANROOMS ARE BY NO MEANS STATIC, BUT DYNAMIC PRODUCTION AREAS IN CONTAMINATION CRITICAL ENVIRONMENTS. PEOPLE AND GOODS ARE CONSTANTLY IN MOTION. INSTALLATIONS, PRODUCTION LINES AND MACHINERY DO REQUIRE PERIODICAL ADJUSTMENT AND REDESIGN ACCORDING TO THE SPECIFIC PRODUCTION REQUIREMENTS OF DIFFERENT TYPES OF PHARMACEUTICALS OR SEMICONDUCTOR PRODUCTS. THE PERTAINING STANDARD ISO 14644-3 MAKES IT MANDATORY FOR OPERATORS OF CLEANROOMS TO GIVE PERIODICALLY EVIDENCE OF THE IN-SITU AIR FLOW SITUATION BY AIR FLOW MAPPING STUDIES SUPPORTED BY HIGH PURITY CLEANROOM FOGGERS (AIR FLOW MAPPERS).



THANKS TO THEIR MINIMALISTIC DESIGN SISTEMA'S TWO AFM FOG PISTOL MODELS EVO.1 AND EVO.2 DO COME WITH AN UNMATCHED LOW WEIGHT (ONLY 974 g FOR THE EVO.1 RESPECTIVELY 1.040 g FOR THE EVO.2) AND AN EXTREMELY COMPACT DESIGN (27,5 x 22,75 cm). EQUIPPABLE WITH A LARGE VARIETY OF ACCESSORIES BOTH FOG PISTOLS ARE PROVIDING ALL REQUIREMENTS FOR FLOW VISUALISATION AND TRACKING STUDIES IN CLEANROOMS ACC. TO ISO 14644-3 ANNEX B7 ENABLING EVERYTHING FROM SMALLEST TO MID SCALE CONTAMINATION FREE 'SMOKE STUDIES' AND AIR FLOW MAPPING STUDIES IN CLEAN ROOMS, STERILE ROOMS, MEDICAL SURGERY ROOMS, ISO SUITES, ETC. WITH SHORTEST SETUP TIMES. BOTH THE EVO. 1 AND EVO. 2 FOG PISTOL ARE BATTERY OPERATED AND DO MAKE USE OF SISTEMA'S STERILE GRADE **VISUFLUID** AS SINGLE MEDIA.



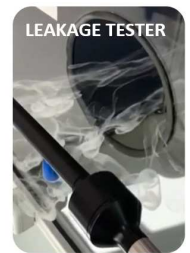
UNIQUE CHARACTERISTICS OF FOG GENERATED WITH FOG PISTOL EVO.1 AND EVO.2

- **PAPER WHITE FOG**
- **HIGH DENSITY FOG**
- **LONG STANDING FOG**
- **ZERO MOMENTUM FOG**
- FOG GENERATED BASING ON STERILE GRADE MEDIA **VISUFLUID**
- CLEAN, COLORLESS, ODORLESS, NON-CONTAMINATING, RESIDUELESS, REQUIRING NO WIPE DOWN






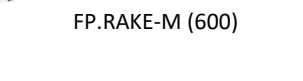
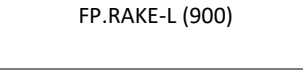




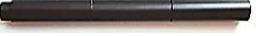



KEY FEATURES OF FOG PISTOL EVO.1 AND EVO.2











- **MINIATURIZED, COMPACT AND LOW WEIGHT**
- **UNIQUE ZERO MOMENTUM FOG TO CLOUD MODULATION**
- **60 ml REFILLABLE TANK LASTING FOR 60 min CONTINUOUS FOGGING**
- CASING IN ALUMINUM ANODIZED SILVER/CYAN BLUE/BLACK
- FOG GENERATED BASING ON STERILE GRADE MEDIA **VISUFLUID** AND HOT WIRE TECHNOLOGY
- **BATTERY LASTING FOR 60 min CONTINUOUS FOGGING (RECHARGABLE IN 60 min)**



TYPICAL APPLICATIONS OF FOG PISTOL EVO.1 AND EVO.2

- **AIRFLOW RECOVERY TESTS** GUIDED BY ISO 14644-3 ANNEX B12
- **AIRFLOW VISUALIZATION TESTS** GUIDED BY ISO 14644-3 ANNEX B7
- **USP 797 IN-SITU AIRFLOW ANALYSIS AND USP 800 COMPOUND PHARMACY AIRFLOW TESTS**
- **AIRFLOW TESTS FOR NSF 49 AND BIO-SAFETY CABINETS**
- **AIRFLOW REQUIREMENTS USING SEMICONDUCTOR CLEAN ROOM GUIDELINES AND GUIDED BY FEDERAL STANDARD 209E**
- **CONTAINMENT TRANSPORT STUDIES ON PROCESS TOOLS**
- OPTIMIZATION OF EQUIPMENT LOCATIONS
- **TRACKING ROUTES OF AIR INFILTRATION INTO CLEANROOMS**
- **PRESSURE BALANCING (ROOMS AND SPACES)**
- **OPERATORS TRAININGS**

LINE	ITEM (PICTURE)	ITEM DESCRIPTION
1	FP-R01 EVO.1 	MINATURIZED CLEANROOM FOG PISTOL FP-R01 EVO.1 SUITABLE FOR MULTIPLE CLEANROOM APPLICATIONS SUPPLYING A ZERO MOMENTUM FOG TO CLOUD MODULATION 60 ML TANK W/NON-HARMING, STERILE, NO WIPE DOWN REQUIRING FLUID. OFFERING A 60 MIN OF AUTONOMY PER CYCLE (± 1 ML MEDIA CONSUMPTION PER MIN). COMING W/STRD. ACCESSORY PACKAGE INCL. <ul style="list-style-type: none"> – 60 MM FOG OUTLET ELEMENT – RECHARGABLE BATTERY, 15V/3200MAH, 48WH BATTERY CHARGER 115V/230V – 2 SYRINGE TANKS OF 60 ML CAPACITY (60 MIN AUTONOMY EACH) 1 FILLING SYRINGE OF 60 ML CAPACITY WITH 2 LUER-LOCK ADAPTERS AND TUBE FOR FILLING/REFILLING
2	FP-R02 EVO.2 	MINATURIZED CLEANROOM FOG PISTOL FP-R02 EVO.2 SUITABLE FOR MULTIPLE CLEANROOM APPLICATIONS OFFERING A 30 % HIGHER FOG OUTPUT COMPARED TO THE EVO.1 OFFERING ZERO MOMENTUM FOG TO CLOUD MODULATION. 60 ML TANK W/NON-HARMING, STERILE, NO WIPE DOWN REQUIRING FLUID. COMING W/STRD. ACCESSORY PACKAGE INCL. <ul style="list-style-type: none"> – 160 MM FOG OUTLET ELEMENT – RECHARGABLE BATTERY, 15V/3200MAH, 48WH BATTERY CHARGER 115V/230V – 2 SYRINGE TANKS OF 60 ML CAPACITY (60 MIN AUTONOMY EACH) 1 FILLING SYRINGE OF 60 ML CAPACITY WITH 2 LUER-LOCK ADAPTERS AND TUBE FOR FILLING/REFILLING
3	FP.RAKE-S (300) 	300 mm FOG RAKE FOR FOG CURTAIN GENERATION COMING WITH 3 FOG OUTLET PORTS. DURABLE STERILIZABLE/AUTOCLAVABLE.
4	FP.RAKE-M (600) 	600 mm FOG RAKE FOR FOG CURTAIN GENERATION COMING WITH 6 FOG OUTLET PORTS. DURABLE STERILIZABLE/AUTOCLAVABLE.
5	FP.RAKE-L (900) 	900 mm FOG RAKE FOR FOG CURTAIN GENERATION COMING WITH 9 FOG OUTLET PORTS. DURABLE STERILIZABLE/AUTOCLAVABLE.
6	FP.BALLJOINT 	BALL JOINT ELEMENT ENABLING A SWIVELLING OF FOG RAKE from - 30° TO + 30° FOR a HORIZONT ALIGNING. COMING W/TRIANGLE SUPPORT AVOIDING TILTING OF FOG PISTOL IF STANDING W/MOUNTED FOG RAKE ON ITS BASE. 
7	FP.HOLDER/TRIPOD 	FOG PISTOL HOLDER PLATE WITH SILICONE FASTENING STRIPS COMING WITH 3 m TRIPOD
8	T-FP.RAKE 	T-DESIGN ELEMENT ENABLING T-DESIGN FOG RAKES OF 650 OR LONGER
9	FP-EXT.300 	300 mm EXTENSION PIPE SEGMENT FOR REACHING CEILING OR SIMILAR REMOTE AREAS
10	FP-EXT.600 	600 mm EXTENSION PIPE SEGMENT FOR REACHING CEILING OR SIMILAR REMOTE AREAS
11	FP-EXT.900 	900 mm EXTENSION PIPE SEGMENT FOR REACHING CEILING OR SIMILAR REMOTE AREAS
12	FP I FAKTEST 	KIT FOR LEAK INVESTIGATION & RECOVERY TESTS ENABLING SMALLEST FOG THREADS IN LOW OUPUT APPLICATION PROFILES AND THAT WAY BASING ON ITS STERILE/CLEAN MEDIA REPLACING ANY DETECTION TUBE CONTAINING CONTAMINATING INGREDIENTS

13	<p>FP-TRIPOD-500</p>  <p>500 mm</p>	<p>TRIPOD FOR HORIZONTAL PLACING OF FOG RAKE FOR INSTANCE IN LAMINAR FLOW BENCH. COMING WITH HEIGHT ADJUSTABLE FOG RAKE FIXATION PORTS. STANDARD HEIGHT 500 mm. MADE IN 100 % STAINLESS STEEL. DURABLE STERILIZABLE/AUTOCLAVABLE.</p>
14	<p>FP-TRIPOD-750</p>  <p>750 mm</p>	<p>TRIPOD FOR HORIZONTAL PLACING OF FOG RAKE FOR INSTANCE IN LAMINAR FLOW BENCH. COMING WITH HEIGHT ADJUSTABLE FOG RAKE FIXATION PORTS. STANDARD HEIGHT 750 mm. MADE IN 100 % STAINLESS STEEL. DURABLE STERILIZABLE/AUTOCLAVABLE.</p>
15	<p>FP-TRIPOD-1000</p>  <p>1000 mm</p>	<p>TRIPOD FOR HORIZONTAL PLACING OF FOG RAKE FOR INSTANCE IN LAMINAR FLOW BENCH. COMING WITH HEIGHT ADJUSTABLE FOG RAKE FIXATION PORTS. STANDARD HEIGHT 1000 mm. MADE IN 100 % STAINLESS STEEL. DURABLE STERILIZABLE/AUTOCLAVABLE.</p>
16	<p>FP.RC</p> 	<p>REMOTE CONTROL WITH PLUG IN SIGNAL TRANSMITTER</p>
17	<p>FP.HOSE-S (1000)</p> 	<p>1 m FLEXIBLE SILICON HOSE WITH FITTINGS FOR REMOTE OPERATIONS OR AS FLEXIBLE CONNECTION BETWEEN TWO FOG RAKE PARTS</p>
18	<p>FP.HOSE-M (2000)</p>	<p>2 m FLEXIBLE SILICON HOSE WITH FITTINGS . . .</p>
19	<p>FP.HOSE-L (4000)</p>	<p>4 m FLEXIBLE SILICON HOSE WITH FITTINGS . . .</p>
20	<p>FP.HOSE-XL (6000)</p>	<p>6 m FLEXIBLE SILICON HOSE WITH FITTINGS . . .</p>
21	<p>FP.FLUID-1L 16 HRS OF CONTINUOUS FOGGING</p>	<p>1 L STERILE MEDIA TANK PROVIDING 16 h OPERATION TIME. MIX OF DI-WATER (> 75 %) AND TRIETHYLENE ALCOHOL 8< 25 %) REQUIRING NO WIPE DOWN AFTER THE JOB.</p>
22	<p>FB.BOX</p> 	<p>CARRYING/TRANSPORT CASE INCLUDING SHADOW BOX FOAMED WITH CAPACITY FOR COMPLETE STANDARD FOG PISTOL KIT</p>
23	<p>FP.BC-2 SPARE PART</p> 	<p>BATTERY CHARGER 115V/230V CHARGING BATTERY IN 60 MIN</p>
24	<p>FP.BAT-2 SPARE PART</p> 	<p>RECHARGABLE BATTERY, 15V/3200MAH, 48WH, CE CERTIFIED (RECHARGABLE IN 60 MIN)</p>
25	<p>FP.FILL-KIT SPARE PART</p> 	<p>FILLING KIT CONSISTING OF 1 SYRINGE TANK (60 ML) & 1 FILLING SYRINGE WITH STAMP (60 ML) WITH 2 LUER-LOCK ADAPTERS AND CONNECTING TUBE FOR FILLING/REFILLING OF SYRINGE TANKS</p>
26	<p>FP.4OP</p> 	<p>SET OF 4 FOG OUTLET PORTS (BLUE) SUITABLE FOR FOG RAKE AND LEAK TESTER</p>



REFERENCE LIST EXTRACT FROM AFM CUSTOMERS