

SMP 20 XL Technical Data

GENERAL INFORMATION	
Max flow rate	120 m3/h
UVC transmittance	97%- 1 cm
UV dose	600 J/m2
Water Temperature range	5-50° C
Total consumption	2200 W
Mounting	Horizontal or vertical with lamp in horizontal position

UV REACTOR	
Material	Stainless Steel 316L
Connections	Flange DN 150 PN 10/16
Drain/Air Valve	1/8" ½" M thread
Total Volume	43 L
Total weight	32 kg
Max working pressure	10 bars g
Protection class	IP 65
Shape	Cross flow
Flow direction	Both directions
Cleaning system	Optional
Quartz sleeve cleaning system	Yes
Manual	standard
Automatic	Available (RA version)

UV LAMP	
Number	1
Lifespan	6000 – 8000 hr
Lamp power	2000W
Type	MP lamp type

UV SENSOR	
Type	UVC selective sensor type MPUV703
Sensor Cable	Shielded cable 4 meters
Sensor holder material	Stainless steel 316L

CONTROL PANEL		TC PLUS	
Material and colour		Painted Steel – RAL 7035	
Protection class		IP 54	
Ambient temperature range		5 – 45 °C	
Power supply		380 V 3ph - 50/60 Hz	
Lamp cable length		4 m	
Monitor display		SITA Touch-Screen (65000 colours)	
Multi language display		Yes (ITA-ENG-FRA-SPA)	
Chamber temperature measurement		Yes (°C)	
UV irradiance measurement		Yes (% or W/m ²)	
Panel temperature measurement		Yes (°C)	
Flow-meter connection		Yes (flow meter not included)	
UVT reader connection		Yes (UVT sensor not included)	
UV dose calculation		Optional (only with external flow meter)	
Hour meters		For total system life – Resettable for lamp life control	
Free contact alarms (N/O)		Yes (max 1.3 A)	
	General alarm	Yes (settable contact working)	
	System working signal	Yes	
	High temperature alarm	Yes for panel and reactor (shut off for high temperature)	
24 V output		Yes	
	Low irradiance alarm	Yes (settable value)	
	Lamps off alarm	Yes	
	Lamps control on/off	Yes	
4/20 mA output		Yes for irradiance and temperature	
Remote ON/OFF		Yes (settable contact working)	
ON/OFF timer		Yes	
Datalog – Events		Yes	
Lamp power regulation		Optional (manual or automatic: dose or flow pacing)	
Communication ports (protocols)		CAN, Ethernet, USB, Seriale (Modbus, TCP/IP, CANopen)	
Remote access		with specific App or WebGate	

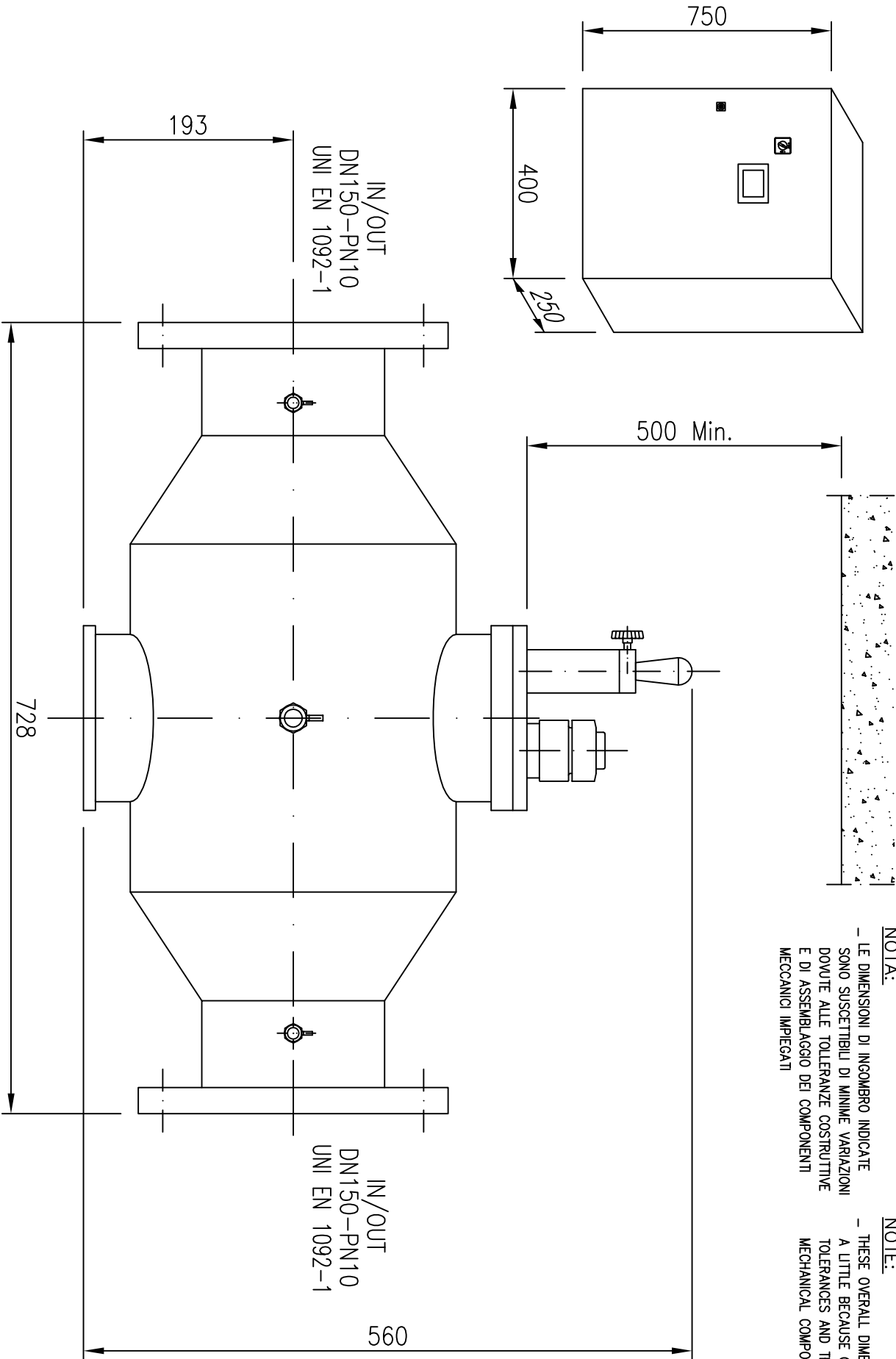
REV.	A	FIRST ISSUE	DESCRIZIONE	DATA	SCHENONE	MAZZONE	DISGNATO	APPROVATO



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TITOLO	UV-C DISINFECTION		CODICE	/	
	UV SMP20 XL		F.to	A4	Scala
	LAY-OUT				/
CLIENTE	/		Foglio	01	di 01



NOTA:
- LE DIMENSIONI DI INGOMBRO INDICATE
SONO SUSCETTIBILI DI MINIME VARIAZIONI
DOVUTE ALLE TOLLERANZE COSTRUTTIVE
E DI ASSEMBLAGGIO DEI COMPONENTI
MECCANICI IMPIEGATI

NOTE:
- THESE OVERALL DIMENSIONS CAN CHANGE
A LITTLE BECAUSE OF THE CONSTRUCTIVE
TOLERANCES AND THE ASSEMBLING OF
MECHANICAL COMPONENTS YOU USED.