PT DWI SURYA ABADI KHARISMA
Authorized Distributor of Prominent Product in Indonesia

OZONE SYSTEM

OZONFILT OZMA

OZONFILT OZMa is synonymous with maximum operational safety and minimal operating costs. The ozone generator is maintenance-free and generates up to 420 g/h of ozone from compressed air.

BENEFIT

- Economical: maintenance-free generator concept with virtually unlimited service life
- Up to 30% energy savings for air treatment, thanks to demand-controlled and self-optimising air drying compared to conventional air treatment.
- Automatic control of the feed gas depends on the ozone output, therefore reduced consumption of feed gas is produced with intensive use of energy.
- High ozone concentration ensures optimum ozone solubility in water
- Direct injection without injector system for up to 2 bar back pressure
- Automatic ozone generation, virtually independent of fluctuations in mains voltage and pressure

TECHNICAL DETAILS

- Compact mounting, ready-to-use in a painted steel cabinet or optionally in a stainless steel cabinet.
- With integrated filter package for the removal of dust and small amounts of residual oil in the compressed air.
- Special dielectric with excellent cooling: in spite of the low cooling water consumption, heat is quickly and efficiently discharged before the ozone produced can decompose due to excessive heat.
- PLC with integrated ozone measurement and PID control
- 7" touch panel with data logger and screen plotter
- Multiple communications interfaces (e.g. LAN, Profibus® DP, ISDN, TCP)
- Excellent efficiency: over 90% of the ozone is dissolved in the water thanks to the special construction of the mixing unit.
- Second freely configurable 0/ 4-20 mA input
- Contact output for common alarm message
- One freely configurable 0/ 4-20 mA output
- Integration of a dew point sensor to monitor the quality of compressed air
- Integration of an air conditioning unit to adjust the temperature of the ozone system
- Pause input for external switching on/off
- Contact input for locking the system, for example in the absence of flow
- Digital input for connecting a gas detector
- Digital input for controlling two power stages
- Digital input for controlling two power stages
- 0/4-20 mA input for external output control depending on the flow or measured value with a PICb controller.
- Contact output for operating status
- Contact output for limit violation, ozone concentration in the water too low

TECHNICAL DATA

		OZMa 1A	OZMa 2A	OZMa 3A
Number of modules		1	1	1
Ozone capacity, measured in accordance with DIN with air at 20 °C, cooling water at 15 °C	g/h	70	105	140
Air consumption (only ozone generation)	Nm3 /h	3.50	5.25	7.00
Ozone concentration in the gas phase referenced to nominal conditions	g/Nm3	20	20	20
Specific energy requirement at nominal capacity	Wh/g	16.5	16.5	16.5
Power factor at full capacity	cos φ	0.95	0.95	0.95
Ozone connection		Rp 3/8"	Rp 3/8"	Rp 3/8"

ELECTRICAL CONNECTION

Mains connected load	V/Hz/A	230/50;60/10	230/50;60/16	230/50;60/16
Enclosure rating		IP54	IP54	IP54
Degree of protection with integrated air conditioning unit (internal/external)		IP 54 / IP 34	IP 54 / IP 34	IP 54 / IP 34
Weight	kg	270	280	300

FOR MORE INFORMATION.

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ProMinent®

Ozone Generation Systems OZONFILT OZMa 4-6 A (Process Gas - Air)

TECHNICAL DATA

COOLING WATER		OZMa 1A	OZMa 2A	OZMa 3A
Cooling water consumption (15 °C)	l/h	90	135	180
Cooling water consumption (30 °C)	l/h	125	190	250
Cooling water inlet pressure	bar	2...5	2...5	2...5
Cooling water outlet, open discharge	mm	8x5	8x5	12x9
Cooling water inlet, PE pressure hose	mm	8x5	8x5	12x9

		OZMa 4A	OZMa 5A	OZMa 6A
Number of modules		2	2	3
Ozone capacity, measured in accordance with DIN with air at 20 °C, cooling water at 15 °C	g/h	210	280	420
Air consumption (only ozone generation)	Nm3 /h	10.50	14.00	21.00
Ozone concentration in the gas phase referenced to nominal conditions	g/Nm3	20	20	20
Specific energy requirement at nominal capacity	Wh/g	16.5	16.5	16.5
Power factor at full capacity	cos φ	0.95	0.95	0.95
Ozone connection		Rp 3/8"	Rp 3/8"	Rp 3/8"

ELECTRICAL CONNECTION				
Mains connected load	V/Hz/A	400/50;60/16	400/50;60/16	400/50;60/16
Enclosure rating		IP54	IP54	IP54
Degree of protection with integrated air conditioning unit (internal/external)		IP 54 / IP 34	IP 54 / IP 34	IP 54 / IP 34
Weight	kg	420	445	580

COOLING WATER		OZMa 4A	OZMa 5A	OZMa 6A
Cooling water consumption (15 °C)	l/h	270	360	540
Cooling water consumption (30 °C)	l/h	300	400	600
Cooling water inlet pressure	bar	2...5	2...5	2...5
Cooling water outlet, open discharge	mm	12x9	12x9	12x9
Cooling water inlet, PE pressure hose	mm	12x9	12x9	12x9