

DATASHEET IBP+ HO

A. DIMENSIONS

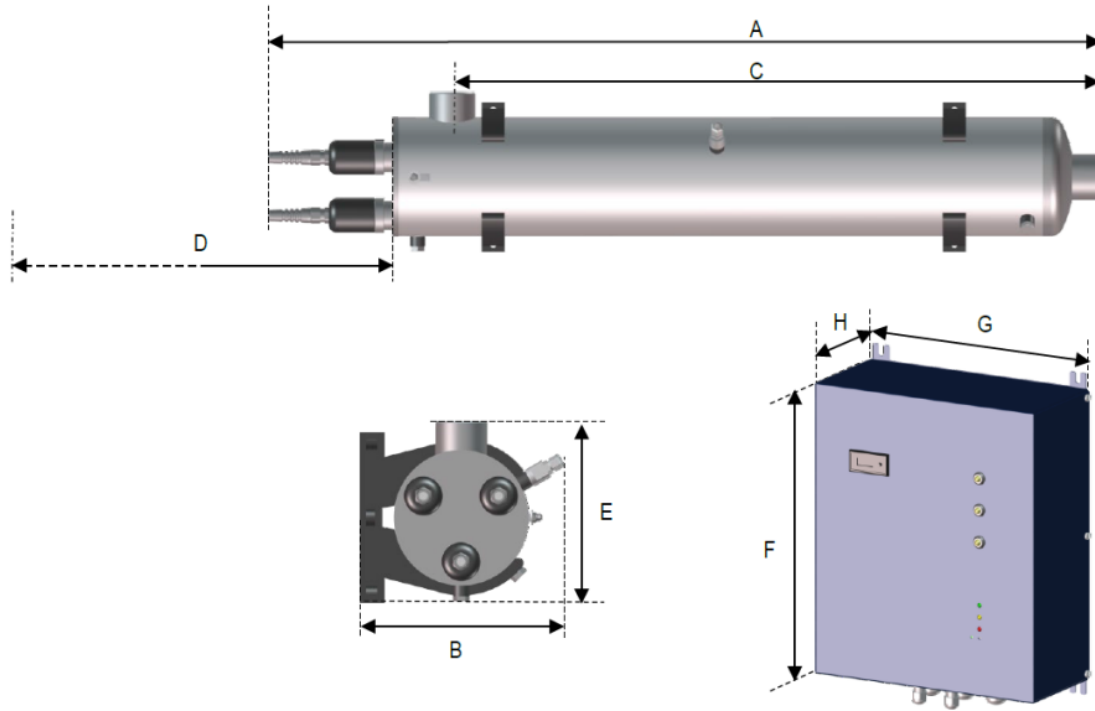


Image non-contractual.

Designation	Unit	IBP10 HO+	IBP30 HO+	IBP40 HO+	IBP2150 HO+	IBP3150 HO+	IBP4205 HO+	IBP5205 HO+
REACTOR								
A) Full length	mm	1064	1071	1325	1083	1083	1096	1096
B) Width	mm	129	167	167	227	227	281	281
C) Fixation spacing	mm	868	865	1119	844	844	857	857
D) Service spacing	mm	950	950	1200	950	950	950	950
E) Depth	mm	136	158	158	195	195	265	265
Type of connection	-	Male Thread	Male Thread	Male Thread	Male Thread	Male Thread	Male Thread	Male Thread
Connection	-	1"	1"1/2	1"1/2	2"	2"	2"1/2	2"1/2
CABINET								
F) Height	mm	320	320	320	320	320	515	515
G) Width	mm	270	270	270	270	270	270	270
H) Depth	mm	121	121	121	121	121	121	121



B. GENERAL DESCRIPTION

Designation	Unit	IBP10 HO+	IBP30 HO+	IBP40 HO+	IBP2150 HO+	IBP3150 HO+	IBP4205 HO+	IBP5205 HO+
Certifications / Approvals	-	CE, ACS	CE, ACS	CE, ACS	CE, ACS	CE, ACS	CE, ACS	CE, ACS
Without manual cleaning	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes
With manual cleaning	-	not available	Yes	Yes	Yes	Yes	Yes	Yes
ENVIRONMENT OF USE								
Place	-	Local free from frost and rain	Local free from frost and rain	Local free from frost and rain	Local free from frost and rain	Local free from frost and rain	Local free from frost and rain	Local free from frost and rain
Minimum ambient T°	°C	+5	+5	+5	+5	+5	+5	+5
Maximum ambient T°	°C	+40	+40	+40	+40	+40	+40	+40
Maximum relative humidity	-	80% non condensating	80% non condensating	80% non condensating	80% non condensating	80% non condensating	80% non condensating	80% non condensating
WATER QUALITY								
Temperature	°C	+10 to +35	+10 to +35	+10 to +35	+10 to +35	+10 to +35	+10 to +35	+10 to +35
Transmittance range	-	>50%	>85%	>85%	>50%	>50%	>50%	>50%
REACTOR								
Material	-	SS316L	SS316L	SS316L	SS316L	SS316L	SS316L	SS316L
Finishing	-	Sand Blasted	Sand Blasted	Sand Blasted	Sand Blasted	Sand Blasted	Sand Blasted	Sand Blasted
Dry weight	kg	4.8	6.8	8.3	11	11	17	17
Reactor volume	l	5	8	11	15	14,5	26	25,5
Drain in high point	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Drain in low point	-	No	No	No	Yes	Yes	Yes	Yes
Max Service Pressure	bar	10	10	10	10	10	10	10
CABINET								
Material	-	Painted steel	Painted steel	Painted steel	Painted steel	Painted steel	Painted steel	Painted steel
Cabinet/Reactor cable lenght	m	5	5	5	5	5	5	5
Weight	kg	4	4	4	4,5	5	7,5	8
Cabinet ventilating	-	No	No	No	No	No	Yes	Yes
Power supply	V	220-240	220-240	220-240	220-240	220-240	220-240	220-240
Frequency	Hz	50/60	50/60	50/60	50/60	50/60	50/60	50/60
Nominal amperage	A	0,36-0,33	0,36-0,33	0,44-0,4	0,73-0,67	1,09-1	1,46-1,33	1,82-1,67
Cable Type/Gauge	mm ²	3G0,75	3G0,75	3G0,75	3G0,75	3G0,75	3G0,75	3G0,75
Power	W	80	80	97	160	240	320	400
Protection	-	Fuse 2A	Fuse 2A	Fuse 2A	Fuse 2A	Fuse 2A	Fuse 4A	Fuse 4A
Ingress Protection	-	IP54	IP54	IP54	IP54	IP54	IP54	IP54
UV LAMPS								
Number of lamps	-	1	1	1	2	3	4	5
Power unitary	W	87	87	105	87	87	87	87
Type of lamp	-	High Output	High Output	High Output	High Output	High Output	High Output	High Output
UV Power unitary	W	28	28	35	28	28	28	28
Total UV Power	W	28	28	35	56	84	112	140
Lifetime	h	13000	13000	13000	13000	13000	13000	13000



C. MONITORING

Designation	IBP10 HO+	IBP30 HO+	IBP40 HO+	IBP2150 HO+	IBP3150 HO+	IBP4205 HO+	IBP5205 HO+
Lamp indicator	Indicator (s) indicating that the lamp (s) are working.						
ON/OFF Switch	Switch to turn the unit on and off.						
Hour Counter	Counts the number of hours of operation of the lamp (s).						

D. POSSIBLE OPTIONS

Designation	IBP10 HO+	IBP30 HO+	IBP40 HO+	IBP2150 HO+	IBP3150 HO+	IBP4205 HO+	IBP5205 HO+
Upstream / downstream sampling valves	OPT003103	OPT003104	OPT003104	OPT002079	OPT002079	OPT003105	OPT003105
Inlet/Outlet chemical cleaning	OPT014969	OPT014970	OPT014970	OPT014970	OPT014970	OPT014970	OPT014970
PN16 bars without flanges	OPT012333	OPT12334	OPT12334	OPT014971	OPT014971	OPT014972	OPT014972
Flange connections (see grid)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SMS connections complete DN63	OPT014973	OPT014973	OPT014973	OPT014973	OPT014973	OPT014973	OPT014973
Fittings complete CLAMP max dn65	OPT014974	OPT014974	OPT014974	OPT014974	OPT014974	OPT014974	OPT014974
110V 50-60Hz	OPT014966	OPT014966	OPT014966	OPT014966	OPT014966	OPT014956	OPT014956
IP55 plastic cabinet	OPT012331	OPT012331	OPT012331	OPT012331	OPT012331	OPT014955	OPT014955
Contact defect lamp	OPT014952	OPT014952	OPT014965	OPT014952	OPT014952	OPT014952	OPT014952
Contact status On / Off	OPT015015	OPT015015	OPT015015	OPT015015	OPT015015	OPT015015	OPT015015
Stainless steel 304 cabinet	OPT014953	OPT014953	OPT014953	OPT014953	OPT014953	OPT014953	OPT014953

E. CLEANING SYSTEM OF QUARTZ SLEEVES



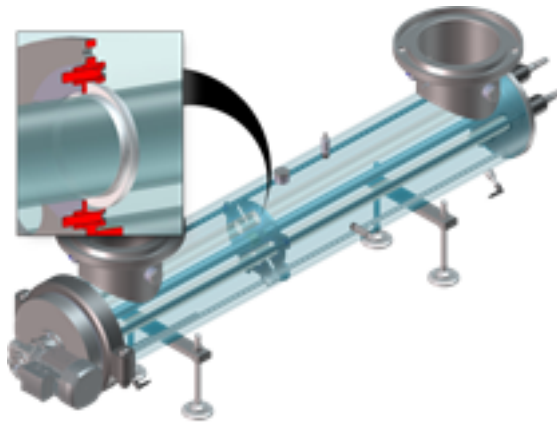
CHEMICAL CLEANING

The chemical cleaning device performs cleaning cycles by using a cleaning solution made of citric acid (effective against ferric deposits).

The chemical cleaning cycle is started when the UV reactor is stopped and hydraulically isolated.

It is connected to connections installed on reactor inlet and outlet in order to run the chemical solution in a loop.

Dry weight	9 kg
Capacity	11 l
Dimensions	570mm x 300mm x 560mm
Piping length	2 m
Inlet/outlet diameter	15x21 mm
Supply voltage	230 V (single phase)
Frequency	50 Hz
Total power rate	120 W



CLEANING WITH SCRAPER

Manual:

The manual cleaning system is designed to reduce the formation of organic and inorganic deposits on quartz sleeves.

It uses reinforced Teflon rings mounted on a stainless steel trolley to scrape the surface of the quartz sleeves of each lamp.

A handle allows its use.

Benefits:

The cleaning system minimizes the fouling of the quartz sleeves.

Provides a constant UV dose.

Operates in line while lamps perform disinfection, thus reducing downtime.

Can be set to clean lamp sleeves at adjustable intervals (Auto only).

Manual cleanings with chemical cleaning agents previously frequent become exceptional.