

SINGLE AXIS HEADS

MOTOR DRIVE

UBA



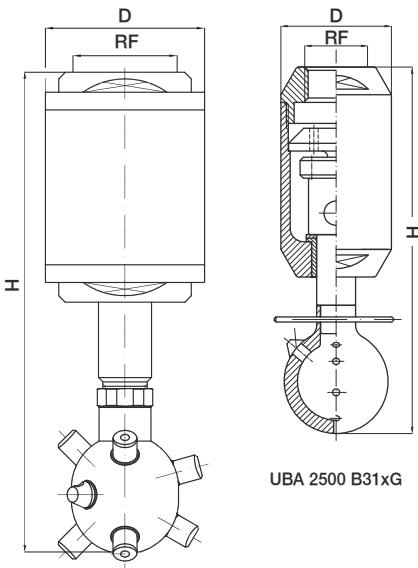
UBA series heads operate producing water jets out of a spray head rotating around a vertical axis, but feature a sophisticated design where the head is put in slow motion by a simple friction transmission.

As the motor produces a low rotation velocity, the jets can work with their maximum efficiency since not being broken into droplets: this makes it possible to obtain a higher impact force onto the tank wall. The head design can include one jet directed upwards which is meant to clean the tank roof area around the feed pipe, a difficult area in many instances, realizing then a true 360° spray pattern.

Superior cleaning power, faster cleaning cycles and lower volumes of cleaning solution required. UBA washing heads are available in two sizes, and three different jet patterns, as shown below.

Rotation speed varies, depending upon feed pressures, between 5 and 12 rpm. Thread connection are available both in BSP standard (last letter of the code: G) and NPT standard (last letter of the code: N).

Materials	Body, sphere	B31	AISI 316 s.s. (ATEX available)
		E1	PTFE (only model 3150)
	Bushings	E1	PTFE
	Motor ring	E1	PTFE



UBA 2500 B31xG

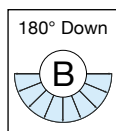
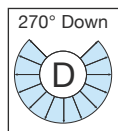
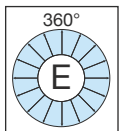
UBA 3150 B31EG



Size	RF BSP	Capacity at different pressures				Spray coverage			Size mm	
		3,0	5,0	7,0	10	180D	270D	360	H	D

UBA 2500 B31BG	3/4"	50,0	64,5	76,3	91,3	•			166	50
UBA 2500 B31DG		50,0	64,5	76,3	91,3		•			
UBA 2500 B31EG		50,0	64,5	76,3	91,3			•		
UBA 3150 B31EG	1-1/2"	110	142	168	200			•	216	71

UBA tank washing head is designed to accommodate, on its head, a wide range of different nozzles, both as number and type (flat fan, straight, etc.). Every personalization involves some difference in the performance compared to the ones in the table: they will be provided case by case.



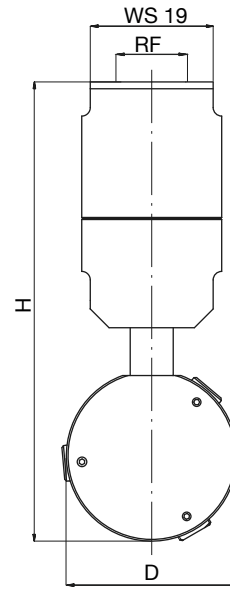
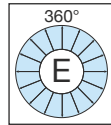
SINGLE AXIS HEADS

MOTOR DRIVE

UBE

These devices, with monoaxial rotation, are particularly suitable when you need a high impact wash using small quantities of water. On the rotating head there are three nozzles with fan jet that offer an extremely uniform and high impact covering. Moreover, the special internal mechanism allows a slow and constant rotation, ideal for obtaining maximum washing power from flat jets. Available in both PVDF and AISI 316L, UBE tank washing head proves to be a robust and durable washing device, perfect for cleaning and sanitization in most industrial applications.

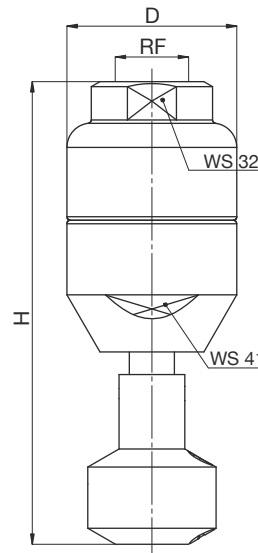
Materials B31 AISI 316L s.s.
D81 PVDF



M018

BSP thread connection

Code	RF BSP	Capacity at different pressures					Size mm	
		1,5	2,0	2,5	3,0	3,5	H	D
UBE M018 B31EG	1/2"	12,9	14,8	16,5	18,0	19,4	144	50
UBE P018 D81EG		12,9	14,8	16,5	18,0	19,4	144	49
UBE P040 D81EG		28,7	32,9	36,6	40,0	43,1	146	49



P018 - P040

TWIN AXIS HEADS

TWIN AXIS HEADS

The most sophisticated tank washing equipment, where high impact fluid jets slowly move with a combined rotation around one vertical and one horizontal axis.

The motive mechanism assures the jet to hit always different paths at each turn, so that each single point of the inner tank surface is surely cleaned.

TURBINE DRIVE

Sophisticated products offering modern design, excellent performance and high surface quality, mainly suitable for the chemical and pharmaceutical industry as they fully satisfy their demand for safe and reliable operation as well as perfect cleaning and sanitation.



TWIN AXIS HEADS

UBT

TURBINE DRIVE

The UBT series tank wash heads are very sophisticated devices, designed with a robust structure and constructed with the latest technology to allow for high performance and providing excellent disinfection after each wash cycle.

These characteristics are ideal for the automatic cleaning of industrial tanks and vessels.

The nozzle movement is operated through an internal epicyclical gear reducer which enables to drive the jet paths according to a preset grid over the tank surface, providing a perfect cleaning of every single area inside the tank. Each side hub is equipped with two nozzles.

Depending on the application, two different types of nozzle can be used:

- Short nozzle: length 20 mm (Model C)

- Long nozzle: length 50 mm (Model L)

Each side hub is equipped with two nozzles whose orifice diameter determines the total water flow rate.

Operating conditions:

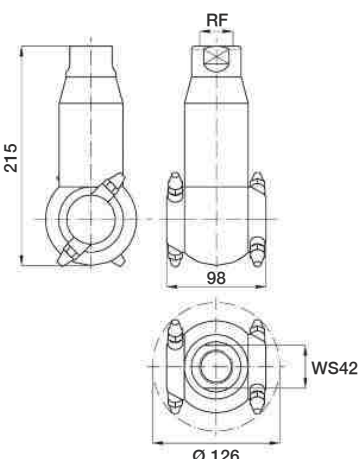
LT 90°C

LP 10 bar

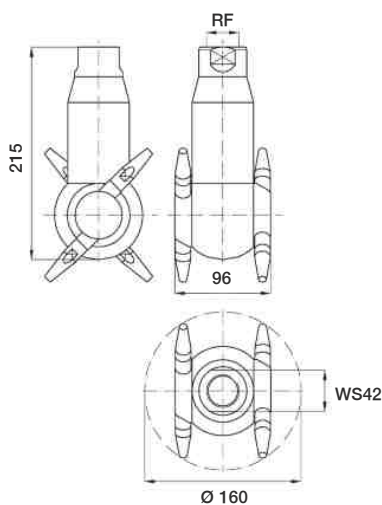
Materials Metal parts AISI 316L s.s.
 Seals PTFE Teflon + graphite
 Other minor parts PEEK

Connection Female BSPP Thread (ISO 228)

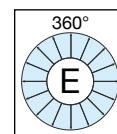
In order to avoid problems with the device (such as breaking), we suggest to you filtered water. PNR Italia suggests a filter with at least 60 mesh, such as VEM 0100 V1 (see next page for further information).



Model C:
"short"



Model L:
"long"



To order the required product, please note that:

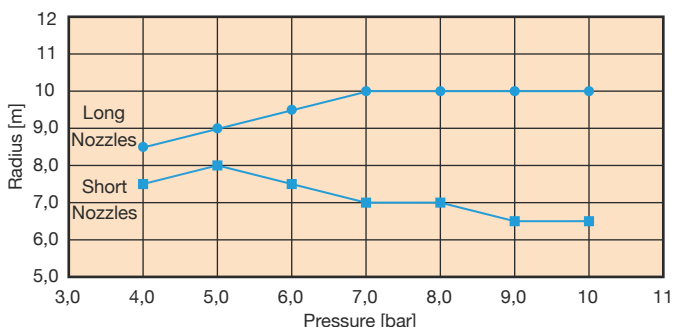
a) second to last letter "C" indicates the Model C (short nozzle);

b) second to last letter "L" indicates the Model L (long nozzle).

Ø is the nozzle diameter.

Code	Ø mm	RF BSPP	Capacity at different pressures							l/min bar	Weight Kg
			4,0	5,0	6,0	7,0	8,0	9,0	10		
UBT S445 B31CG	6,0	1"	88	92	100	108	115	121	130	3,6	
UBT S445 B31LG			88	92	100	108	115	121	130		
UBT S460 B31CG			115	120	130	138	150	158	162		
UBT S460 B31LG			115	120	130	138	150	158	162		

Wetting radius UBT S445



Wetting radius UBT S460

