



Manual spray dry nozzles model SBX/MSBX.

Installation



see picture 1

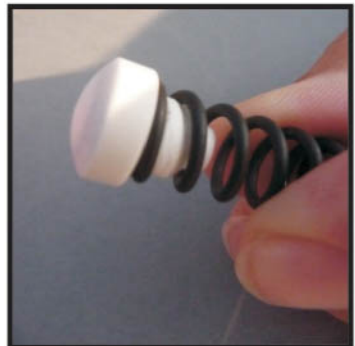


see picture 2

Use the metal pin that comes with the press model MBXP to place the orifice insert in the holder model MBX (see picture 1). Place the holder with the pin under the press and tighten it with the lever until the orifice insert is firmly in place. You may in advance apply a coat of P-1900 food-grade lubricant between the orifice insert and the body. This will increase the service life of the materials.



see picture 3



see picture 4



see picture 5



see picture 6

The core is then placed with the slits away from you on the orifice insert. Now take the white synthetic or metal anti-drip valve and place it on the spring. Then slide the spring with the anti-drip valve over the tail of the core.

Put the O-ring on the body and screw the holder hand-tight into the body. We recommend to brush a coat of P-1900 food-grade lubricant on the thread to facilitate mounting and dismounting.

If you use the quick coupling, you can then click the entire assembly into the female part of the coupling.

As stated above, it is important to check the entire spray nozzle for leakage prior to use in the tower.



see picture 7



see picture 8



see picture 9



see picture 10

Dismounting

Just press the button on the side of the quick coupling to release the nozzle.

Take the holder from the body and pull the anti-drip valve with the spring from the holder. Then use two fingers or if necessary a pair of pliers, without using too much force, to pull the core from the holder. Put the holder, with the orifice insert upward, under the press and turn the lever to push the orifice insert from the holder. Then take the O-ring from the groove in the body. Now all parts have been dismantled and can be cleaned or replaced.

We recommend to replace the O-ring every time it is dismantled.



see picture 11



see picture 12



see picture 13

Wear

The orifice insert and the core are wear parts. Gauges are available for the various orifice sizes to check whether orifice wear is still within the limits.

No measuring tools are available for the core. It should be inspected visually for damage and/or wear.

When stripes appear in the spraying pattern and/or the pump cannot build up sufficient pressure any more, those are clear indications of wear.

Cleaning

When all components have been dismantled, they must be cleaned. We recommend the use of an ultrasonic bath with a standard CIP cleaning agent.

You should preferably not use alkaline or acid solutions to clean the tungsten carbide parts, for that would reduce their service life. Neither should you use pointed tools like a screwdriver. If necessary you may use a strong brush.

Warning: never aim the nozzle at any body part of yourself or others, liquid under high pressure may cause serious injuries.

Warning: prior to using the nozzle in the drying tower, always test it under high pressure for correct installation and for leakage.



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