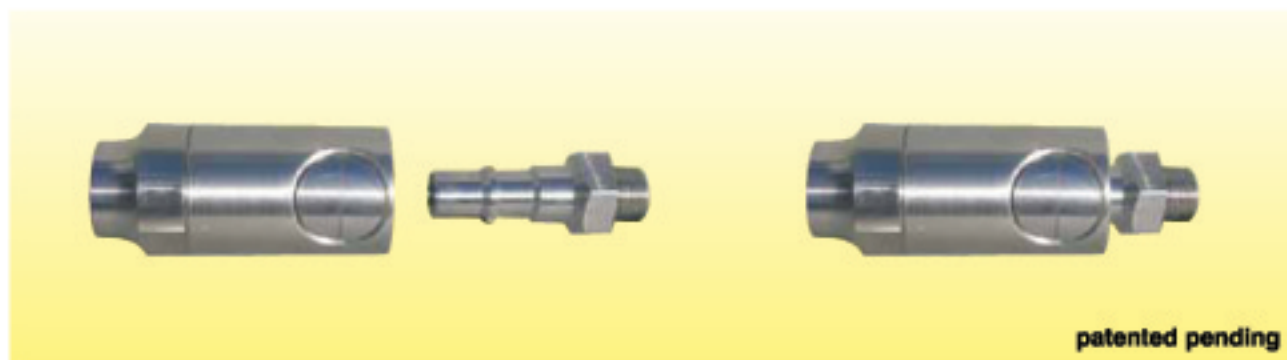# Z Series High-pressure spray dry nozzle with quick-connect system

patented pending

The patented Z series is a completely newly developed generation of quick-connect nozzles for spray drying, available in four different models.

Various versions

Model ZSBX is suitable for all components from the (S)BX series as shown on pages A1, A2 and A3 of our catalogue. Model ZRX is suitable for all components from the RX series that you can find on pages A6, A7 and A8. Model ZVX is suitable for all components from the VX series, see pages A9, A10 and A11. Model ZVX45 is also suitable for all components from the VX series, but its nozzle outlet is at an angle of 45 degrees with the supply line.

The nozzle or the plug can optionally be fitted with a check valve, but is not necessary.

Design

The Z series has really been derived from the nozzles of the QBX series that you can find on page A4 of our catalogue. The QBX series has a coupling mounted on the lance and the nozzle with plug unlocks at a push of the button. That activates a valve that ensures that the liquid does not flow from the line.

The nozzles from the Z series however, are designed in such a manner that the plug, optionally fitted with a check valve, is mounted on the lance and the uncoupling mechanism is placed on the nozzle. That has reduced the length of the assembly considerably compared to other models of the Q series. This has the advantage that a considerably greater number of installations are suitable for integrating the combination of plug and nozzle. It also makes the nozzle including the uncoupling mechanism easier to clean.

Ease of operation

The main advantage of the quick-connect nozzles is that the nozzles can be assembled in advance, for instance in the workshop or control room. After production the nozzle is easy to remove and the lance can easily be connected to the CIP minus with a coupling.

Safety

The quick connect nozzles can also be fitted with a safety chain that ensures that the nozzle will never drop into the tower.

How to order

Ordering a complete ZSBX nozzle	**BF1/4 ZSBXI490/SC632P** bspt · female conn. · plug connection · model · orifice insert · core · polished
Ordering a complete ZRX nozzle	**NF1/4 ZRX97/H** npt · female conn. · plug connection · model · orifice disc · whirlchamber
Ordering a complete ZVX nozzle	**BM3/8 ZVX97/H** bspt · male conn. · plug connection · model · orifice disc · whirlchamber
Ordering a complete ZVX45 nozzle	**BM1/2 ZVX45-97/H** bspt · male conn. · plug connection · model · orifice disc · whirlchamber