



SPRAY NOZZLES FOR INDUSTRIAL APPLICATIONS



DESCALING TEST BENCH

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PNR provides its Customers the possibility to determine the performance of its descaling nozzles using a modern test bench, for a precise measurement of their flow rate at a given pressure.

All descaling parameters are tested and validated with the most advanced measuring instruments and in full compliance with International Standards. The high performance, quality and reliability of PNR descaling nozzles, that have been successfully sold for nearly fifty years to satisfied Customers all over the world, can be supported with lab testing and validation field trials.

TECHNICAL FEATURES

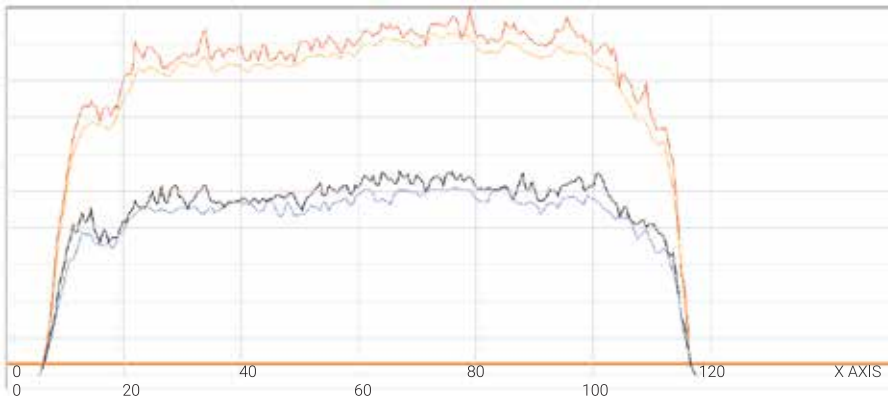
PARAMETERS	VALUES
Operating pressure of the piston pump	Max. 300 bar
Maximum flow rate	Max. 210 l/min
Distance between the spray tip and the measuring table	Between 50 mm and 500 mm
Measuring area	Max. 500 x 500 mm
Nozzle angle inclination	Between 0° and 40°
Measuring range of frontal diaphragm sensor	Between 0 and 40 bar
Measuring step on both axis	Between 0,10 mm and 2,00 mm



OUTPUT

IMPACT PRESSURE ALONG X AXIS

Effective Alpha Angle = 35,04



LEGENDA

Maximum pressure value found on the axis

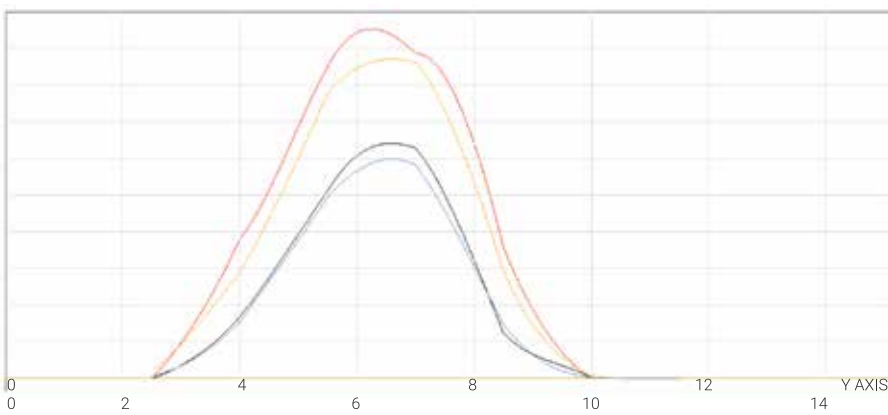
Maximum pressure value on axis calculated considering the average value of the impact pressure values of the 8 neighboring points, in order to disregard the possible effect of local fluid veins

Average pressure value found on the axis

Average pressure value found on the axis calculated considering the average value of the impact pressure values of the 8 neighboring points

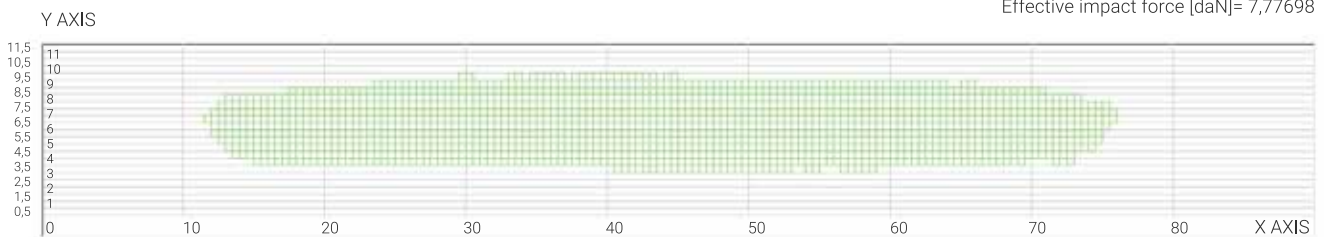
IMPACT PRESSURE ALONG Y AXIS

Effective Beta Angle = 2,95

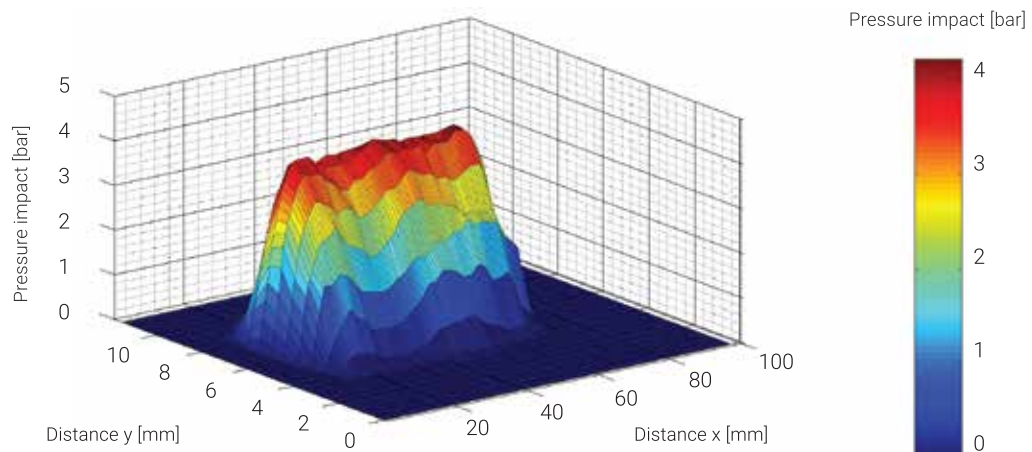


TOP VIEW OF COVERED AREA

Effective impact force [daN]= 7,77698



THREE DIMENSIONAL REPORT



A GLOBAL PRESENCE ALL OVER THE WORLD.



HEADQUARTERS:

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