

Title (en)

Pressure chamber abrasive blasting device.

Title (de)

Druckkammerstrahlgerät.

Title (fr)

Dispositif de traitement au jet abrasif pour enceinte de travail sous pression.

Publication

EP 0061166 A2 19820929 (DE)

Application

EP 82102253 A 19820319

Priority

DE 3111581 A 19810324

Abstract (en)

1. Pressure chamber abrasive blasting device, comprising a blasting medium container (1) provided with a blasting medium filler aperture (3) which is sealable by means of sealing cone (2), and comprising a blasting nozzle connected to the blasting medium container (1) by means of blasting hose (4), wherein the blasting medium container (1) and the blasting hose (4) are connected to a source of compressed air through the intermediary of a pressure medium control valve (5), and the sealing cone (2) extends into the pressure medium supply line (6), which extends into the container (1), in such a manner that said cone is actuated into its sealing direction by the inflowing pressure medium, characterised in that a two-/three-way valve is provided as the pressure medium control valve (5) and is pneumatically actuable by an additional two-/three way valve serving as sensor (7), and the pressure medium control valve (5) controls a pressure medium line which forms branches to the blasting medium container (1) and to the blasting hose (4), wherein a water separator (9) is disposed between the pressure medium control valve (5) and the container (1) upstream of the branching junction (10), and a non-return valve (12) is disposed in the branch (8) extending to the blasting hose (4).

Abstract (de)

Gegenstand der Erfindung ist ein Druckkammerstrahlgerät, bei dem die Druckmittelleitung zum Strahlmittelbehälter (1) und zum Strahlschlauch (4) mit einem alle Funktionen steuernden pneumatischen Zwei-/Dreiwegeventil (5) bzw. mechanischen Dreiwegekugelhahn mit vier Gehäuseanschlüssen versehen ist, wobei das Ventil durch Sperrung der Druckmittelzufuhr automatisch in Entlüftungsstellung gebracht wird und die Druckmittelzuführungsleitung (6) gleichzeitig als Entlüftungsleitung dient.

IPC 1-7

B24C 7/00

IPC 8 full level

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CPC (source: EP)

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