

# RD MASTERJETS PC3

## 5 NOZZLE DESIGN

13.A.20 – 11/19

RD MASTERJETS – Performance class **PC3 M**  
FOR USE ON HP SPRAY GUNS



RD MASTERJET 3200 PIPE HPS PC3	
Code no.	
00.00786.0331	
HP connection:	<b>M 14 x 1,5 LH</b> (60° metallic seal cone)
Operating pressure:	max. 3200 bar min. 500 bar
Flow rate:	max. 50 l/min
Leakage:	approx. 0.2 - 0.6 l/min
Length:	190 mm
Diameter:	52 mm
Brake:	adjustable magnetic brake (variable speed)
Sealing:	HPS - 3200 bar – i/d 3.2 mm (industrial design)
Reaction force:	<b>150 - 280 N</b> [see nozzle table]
Rotation speed:	approx. 1000 - 3500 min <sup>-1</sup> at 280 N reaction force approx. 800 - 2500 min <sup>-1</sup> at 150 N reaction force } 3-stage adjustable via eddy current brake
Nozzle hub:	<b>5 nozzles</b> <b>(5 nozzles design "P or T", equal nozzle Ø!)</b>
Nozzle inserts:	Nozzle design "P" (sapphire), max. 3000 bar Nozzle design "T" (diamond), max. 3200 bar Thread M10 (not part of the assembly)
Plug:	01.05214.0045 (not part of the assembly)
Protective cap:	upon request
Spare parts kit:	00.05617.0030
Adapter for SP 1000:	01.05320.0256 max. 1000 bar, 3/8"
Total weight:	1.3 kg

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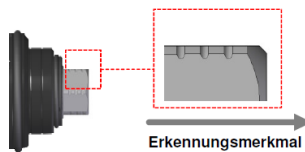
13.A.21 – 11/19


### Nozzle table


#### RD MASTERJETS PC3 - 3200 bar

Pressure	5 nozzles design "P"	Flow rate	Reaction force	
			<u>without</u> angle attack	<u>with</u> angle attack
3000	5 x 0.40 mm	21 l/min	265 N	200 N
2500	5 x 0.45 mm	25 l/min	280 N	215 N
2000	5 x 0.50 mm	27 l/min	275 N	210 N
1500	5 x 0.55 mm	29 l/min	250 N	190 N

**3200 bar**  
Identifying feature HPS  
[3 grooves at key flat]



 Other nozzle assembly is possible. Note reaction force 150 N - 280 N!

 If the nozzle inserts chosen are not suitable and cause a too high rotational speed of the nozzle hub, the rotorjet may suffer irreparable damage.

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