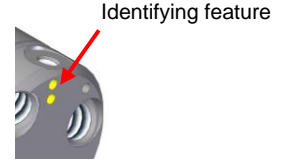


RD MASTERJETS PC2

4 NOZZLE DESIGN

13.A.13 – 11/19

RD MASTERJETS – Performance class **PC2**



	RD MASTERJET 1800 PC2		RD MASTERJET 3200 HPS PC2	
	Code no.	Code no.	Code no.	Code no.
	00.00786.0308	00.00786.0309	00.00786.0298	00.00786.0299
HP connection:	M 14 x 1.5 LH	9/16" – 18 UNF LH	M 14 x 1.5 LH	9/16" – 18 UNF LH
	(60° metallic seal cone)		(60° metallic seal cone)	
Operating pressure:	max. 1800 bar		max. 3200 bar	
	min. 100 bar		min. 500 bar	
Flow rate:	max. 60 l/min		max. 50 l/min	
Leakage:	approx. 0.3 - 1.2 l/min (when new) depending on the operating pressure (max. 2.5 l/min during operation)		approx. 0.2 - 0.6 l/min (when new) (max. 2.0 l/min during operation)	
Length:	176 mm		176 mm	
Diameter:	58 mm		58 mm	
Brake:	adjustable magnetic brake (variable speed)		adjustable magnetic brake (variable speed)	
Sealing:	Labyrinth - 1800 bar - i/d 3.5 mm		HPS - 3200 bar - i/d 3.2 mm (industrial design)	
Reaction forces:	130 - 180 N → PC2 [see nozzle table]		130 - 180 N → PC2 [see nozzle table]	
Rotation speed:	approx. 800 - 2500 min ⁻¹ at 130 N reaction force approx. 1000 - 3500 min ⁻¹ at 180 N reaction force		3-stage adjustable via eddy current brake	
Nozzle hub:	4/2 nozzles (2 or 4 nozzles design P/T)		4/2 nozzles (2 or 4 nozzles design P/T)	
Nozzle inserts:	Nozzle design "P" (sapphire), max. 1800 bar Nozzle design "T" (diamond), max. 1800 bar Thread M10 (not part of the assembly)		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)		01.05214.0045 (not part of the assembly)	
Protective cap:	01.01894.0061		01.01894.0061	
Spare parts kit:	00.05617.0031		00.05617.0030	
Adapter for SP 1000:	upon request	---	upon request	---
Weight:	1.0 kg (without protective cap pos. 110)			
Total weight:	1.2 kg			

HAMMELMANN®

RD MASTERJETS PC2

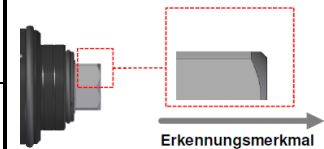
4 NOZZLE DESIGN

Nozzle table

RD MASTERJETS PC2 - 1800 bar

Pressure	2 nozzles design "P"	Flow rate	Reaction force
1800	2 x 0.65 mm	18 l/min	160 N
1500	2 x 0.75 mm	22 l/min	180 N
1000	2 x 0.90 mm	25 l/min	170 N
500	2 x 1.30 mm	37 l/min	180 N

1800 bar
Identifying feature
[even key flat]

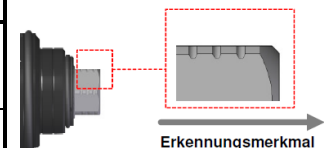


Pressure	4 nozzles design "P"	Flow rate	Reaction force
1800	2 x 0.50 mm	19 l/min	170 N
	2 x 0.45 mm		
1500	2 x 0.55 mm	21 l/min	170 N
	2 x 0.50 mm		
1000	4 x 0.65 mm	26 l/min	175 N
500	2 x 0.95 mm	37 l/min	180 N
	2 x 0.90 mm		

RD MASTERJETS PC2 - 3200 bar

Pressure	2 nozzles design "P"	Flow rate	Reaction force
3000	2 x 0.50 mm	14 l/min	160 N
2500	2 x 0.55 mm	15 l/min	160 N
2000	2 x 0.60 mm	16 l/min	150 N
1500	2 x 0.70 mm	19 l/min	155 N

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



Pressure	4 nozzles design "P"	Flow rate	Reaction force
3000	2 x 0.35 mm	16 l/min	180 N
	2 x 0.40 mm		
2500	4 x 0.40 mm	17 l/min	170 N
2000	4 x 0.45 mm	18 l/min	170 N
1500	2 x 0.55 mm	21 l/min	170 N
	2 x 0.50 mm		



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.