

HMM self-cleaning series flat spray nozzles

DESIGN FEATURES

By reducing the pressure to 0.3bar the split spray tips are retracted to purge foreign particles from the nozzle and by increasing the pressure to 2 bar HMM series nozzles starts normally spraying.
HMM series nozzles are axial type to easily enable multi-nozzle arrangement .
Standard pressure :3 bar

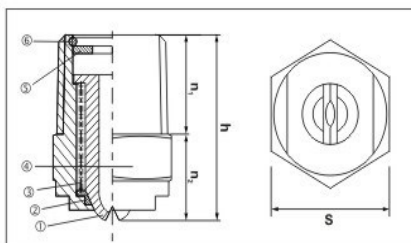
COMMON APPLICATIONS

- Paper & pulp:Washing wires ,felts ,rolls ,etc.
- Iron & steel :Cooling billets ,metal sheets,etc.
- Water treatment :Washing filter presses,belt presses ,defoaming ,aeration filter sand surface washing ,etc.
- Electric& Electronic :Washing substrates with alkaline liquid ,etc.
- Painting: Washing automobile bodies,home electric applications ,etc. before coating.



HMM series (Metal make)	
Moulding Process	1.Lathe work molding by stainless steel,apply to common self-cleaning procedure.
	2.Lathe work molding by stainless steel,with inserted wear resistance orifice,apply to high pressure self-cleaning procedure.
	3.Injection, apply to low pressure,erosion resistance.
Material	SS303,Brass

Series	Pipe conn. size	Dimension(mm)				Weight(g)	
		n1	n2	h	s	SS	BRASS
HMM	0.5M	14	13	27	14	45	50



① Spray tip ② Seal ring ③ Spring ④ Body ⑤ Plate ⑥ Ring

Note :Appearance and Dimensions may be slightly changed on materials and nozzle numbers .

PERFORMANCE DATA

Pipe conn. size	Capacity size	Capacity (L/min) @2.0-20bar							Mean Drop. Dia.(µm)	Free passage Dia.(mm)	
		2.0bar	3.0bar	5.0bar	7.0bar	10.0bar	15.0bar	20.0bar		Spraying(mm)	Purging(mm)
●	8020	1.63	2.0	2.58	3.06	3.65	4.47	5.16	300	0.8	3.0
●	8040	3.27	4.0	5.16	6.11	7.3	8.94	10.3	/	1.2	3.3
●	8060	4.9	6.0	7.75	9.17	11	13.4	15.5	400	1.5	3.5

Note:At start of spraying about 9l/min . of water at the pressure of 0.5bar is required as the spray tips open widely ,which must be taken into consideration to select a pump.

HMM seriesNozzle is designed to start spraying at 1bar but recommendable to use at more than 2bar .

As using active spray tips ,the spray capacity and spray angle of HMM series nozzles are not guaranteed.

ORDERING INFORMATION

HMM ——— 1/4 ——— 8020 ——— SS303
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 Nozzle type pipe conn.size Capacity size Material code