



## **MANN+HUMMEL EDM filters in metal**

# Two perfect solutions

## MANN+HUMMEL Premium filters in plastic

At MANN+HUMMEL you can choose between two product ranges for your wire EDM and cavity sinking EDM machines. The Premium filters of the H 34 series in plastic offer the maximum filter surface area through the use of double-bellows and macro-pleating technology. The filters offer OE quality and have proven themselves for

the highest requirements with regard to service life and environmental friendliness. The Premium filters are recommended by machine manufacturers.

Further information on our Premium filter range is available in the catalogue "MANN+HUMMEL EDM filters" (Order-No. 19 942 10 201).



Premium filters in plastic – long service life and environmentally friendly

## MANN+HUMMEL EDM filters in metal

The MANN+HUMMEL EDM filters in metal are the alternative to the Premium filters.

The Premium filters and the filters in metal both use the same filtration media in order to guarantee the highest filtration quality. In contrast to competitors' products the EDM filters in metal stand for:

- Proven MANN-FILTER quality
- Maximum filtration performance with 3-5  $\mu\text{m}$
- Long service life
- Pressure stability up to max. 3 bar.



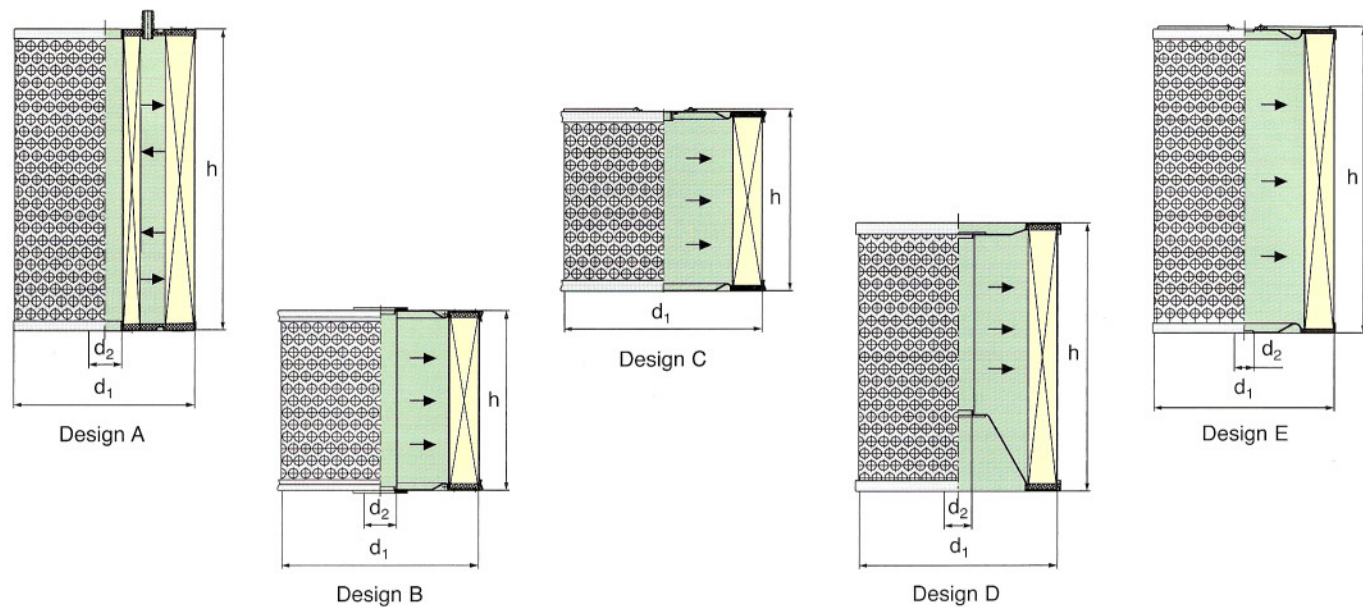
EDM filters in metal – high performance and cost effective

MANN+HUMMEL is a development partner and series supplier to leading manufacturers of EDM machines. Our expertise ensures that products are perfectly matched to the respective application. This means our filters achieve the required filtration result and process reliability independent of whether the filtration is for the dielectric fluid in a wire EDM or cavity sinking EDM machine. Therefore you are on the safe side with EDM filters from MANN+HUMMEL.



MANN-FILTER – Perfect parts. Perfect service.

# Metal filters for wire EDM 3-5 $\mu\text{m}$



Order-No.	Machine application	De- sign	Filter surface area in $\text{cm}^2$ [ $\text{ft}^2$ ]	Dimensions in mm [Dimensions in inches]			Admission flow
				$d_1$	$d_2$	h	
<b>H 31 1033/20</b>	Mitsubishi Electric, Makino	A	99 125 [107]	302 [11,9]	54 [2,1]	503 [19,8]	from the inside to the outside
<b>H 34 1070/20</b>	Charmilles, Fanuc, Sodick	B	107 000 [115]	340 [13,4]	45,5 [1,8]	300 [11,8]	from the inside to the outside
<b>H 34 1070/25</b> <sup>1)</sup>	Charmilles, Fanuc, Mitsubishi Electric	C	107 000 [115]	340 [13,4]	—	300 [11,8]	from the inside to the outside
<b>H 34 1070/25A</b> <sup>1)2)</sup>	Mitsubishi Electric, Makino	C	107 000 [115]	340 [13,4]	—	300 [11,8]	from the inside to the outside
<b>H 34 1070/25B</b> <sup>1)2)</sup>	Fanuc	C	107 000 [115]	340 [13,4]	—	300 [11,8]	from the inside to the outside
<b>H 34 1158/20</b>	Charmilles, Fanuc, Sodick	D	145 000 [156]	340 [13,4]	45,5 [1,8]	450 [17,7]	from the inside to the outside
<b>H 34 1158/21</b> <sup>3)</sup>	Charmilles	D	145 000 [156]	340 [13,4]	45,5 [1,8]	450 [17,7]	from the inside to the outside
<b>H 34 1158/22</b> <sup>4)</sup>	Sodick	D	145 000 [156]	340 [13,4]	45,5 [1,8]	450 [17,7]	from the inside to the outside
<b>H 34 1158/25</b> <sup>1)</sup>	Charmilles, Mitsubishi Electric	C	145 000 [156]	340 [13,4]	—	450 [17,7]	from the inside to the outside
<b>H 31 967/20</b>	Mitsubishi Electric	E	95 300 [103]	302 [11,9]	29 [1,1]	507 [20,0]	from the inside to the outside

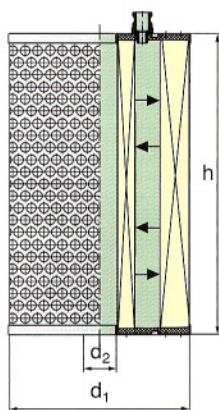
1) Central connection thread G 3/4"

2) Incl. re-usable connector (screwed) and seal

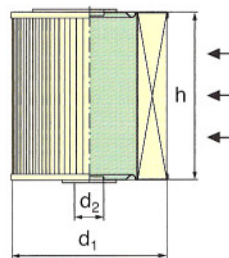
3) Handle on conical side of the end cap

4) Handle on flat side of the end cap

# Metal filters for cavity sinking EDM 3-5 μm



Design A



Design B

Order-No.	Machine application	Design	Filter surface area in cm <sup>2</sup> [ft <sup>2</sup> ]	Dimensions in mm [Dimensions in inches]			Admission flow
				d <sub>1</sub>	d <sub>2</sub>	h	
<b>H 31 1033/21</b>	OPS-Ingersoll	A	99 125 [107]	302 [11,9]	54 [2,1]	503 [19,8]	from the inside to the outside
<b>H 26 644/20</b> <sup>1)</sup>	Makino	B	53 700 [58]	261 [10,3]	46 [1,8]	280 [11,0]	from the outside to the inside

1) with handle

# All metal filters at a glance \*



H 26 644/20



H 31 1033/20



H 31 1033/21



H 31 967/20



H 34 1070/20



H 34 1070/25



H 34 1070/25A



H 34 1070/25B



H 34 1158/20



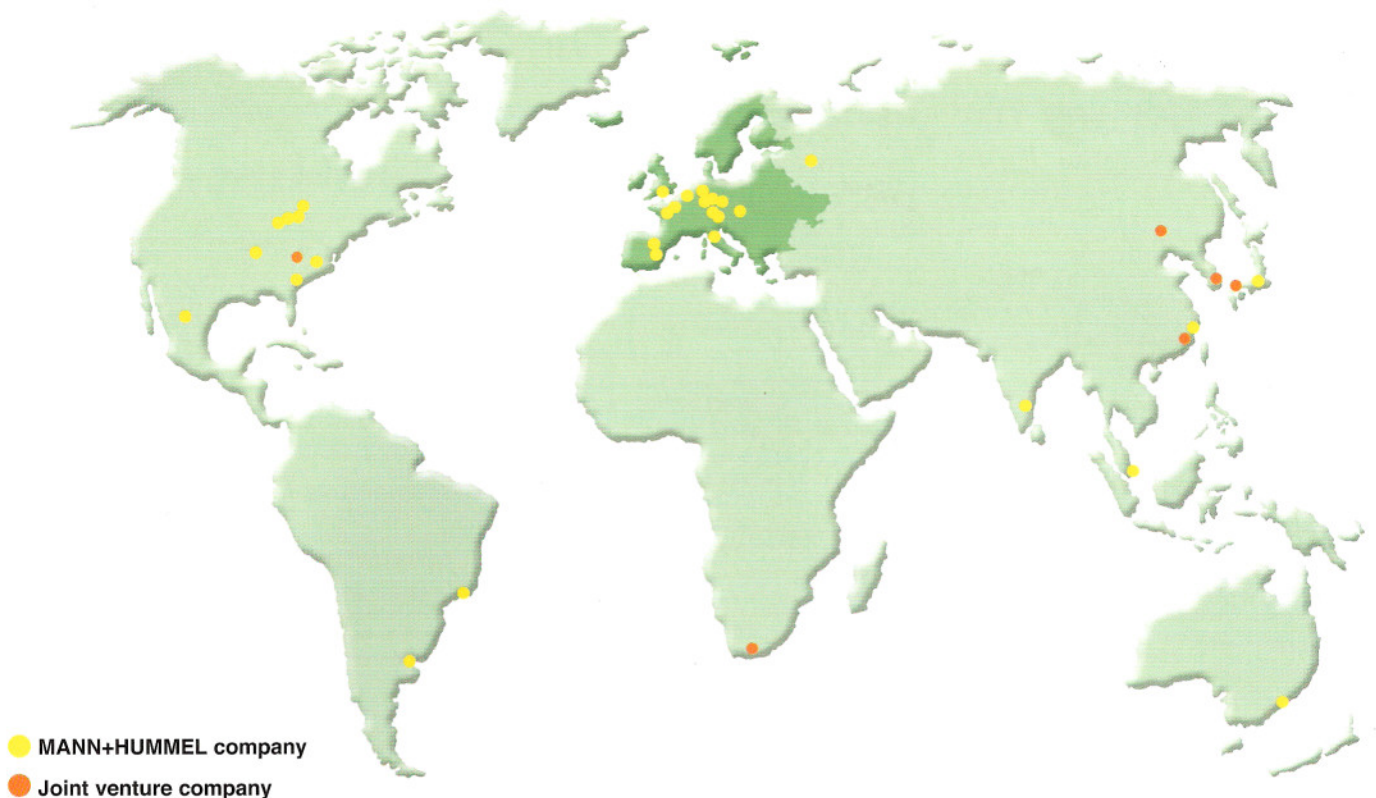
H 34 1158/21



H 34 1158/22



H 34 1158/25



# MANN+HUMMEL Group

The MANN+HUMMEL Group is an international company with its headquarters in Ludwigsburg, Germany. The group employs more than 10,000 people worldwide at more than 41 locations.

The company develops, produces and sells technically complex components and systems for the automotive

industry and many other fields. A key area is high quality filtration products for vehicles, engines and industrial applications. The OEM business with global market leaders and producers of vehicles, machines and installations defines the quality and performance of the products. Filters for the international aftermarket are sold

under a variety of international brands as well as under the MANN-FILTER brand.

## MANN+HUMMEL Industrial Filters

The Industrial Filters Business Unit has its headquarters in Speyer, Germany. The business unit is specialized in meeting the special require-

ments of off-highway vehicles and engine applications, compressed air and vacuum technology, mechanical engineering and plant construction.

MANN+HUMMEL Industrial Filters offers high performance for these fields and other fields which have a requirement for the filtration and separation of air, gas and liquids.

