



## **MANN+HUMMEL EDM Filters**

### **New products in plastic**





# H 15 Series in plastic



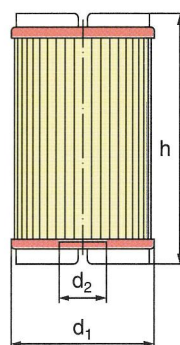
EDM processes vary according to the materials processed and the required surface quality of the part. MANN+HUMMEL has now extended the H 15 series to enable customers to better match the filtration to their individual processes. New versions are now available in plastic with a respective filter fineness of 1-2  $\mu\text{m}$ , 10  $\mu\text{m}$  and 25  $\mu\text{m}$ .

## New products in the H 15 series:

- H 15 190/1 with 1-2  $\mu\text{m}$  for finishing processes in wire-EDM machines which demand the highest requirements regarding the purity of the dielectric fluid
- H 15 190/10 with 10  $\mu\text{m}$  for cavity-sinking EDM machines
- H 15 190/25 with 25  $\mu\text{m}$  for the best filtration results and service life in applications with difficult machining materials such as aluminium.

## The proven range with filter finenesses of 3-5 $\mu\text{m}$ :

- H 15 190/16
- E-Line
- H 15 475/1



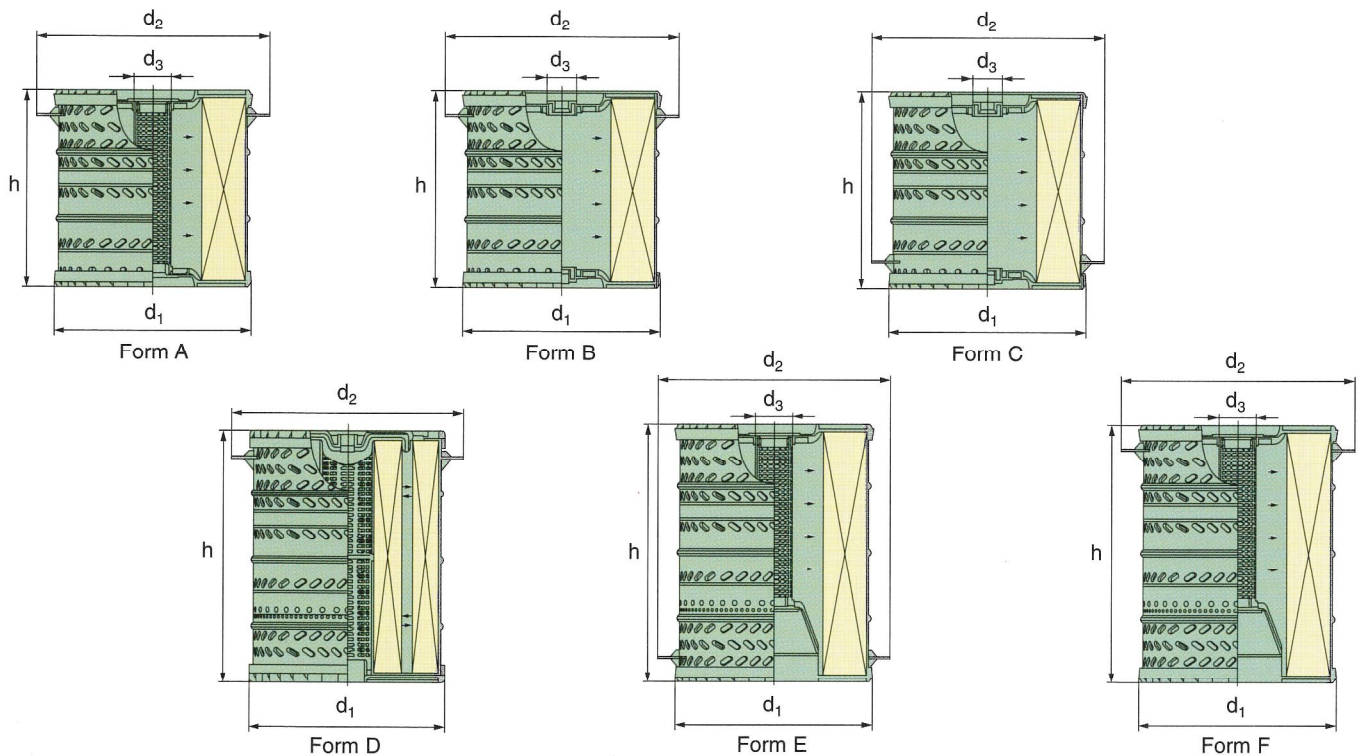
Order No.	Filter surface area [m <sup>2</sup> ]	Dimensions in mm			Filter fineness [ $\mu\text{m}$ ]	Flow direction
		d <sub>1</sub>	d <sub>2</sub>	h		
H 15 190/1	2.8	150	32	375	1-2	Outside to inside
H 15 190/10	2.8	150	32	375	10	Outside to inside
H 15 190/25	2.3	150	32	375	25	Outside to inside
H 15 190/16	3.1	150	32	375	3-5	Outside to inside
E-Line	2.7	150	32	375	3-5	Outside to inside
H 15 475/1	4.5	150	32	375	3-5	Outside to inside



# H 34 Series in plastic

Long service life, lower transport and disposal costs, flexible matching to machines and high process reliability – all this is offered by the new H 34 series in plastic from MANN+HUMMEL. The advantages are achieved through a number of design details:

- Up to 30% less weight through use of plastic
- Corrosion-free design
- Maximum filter surface area through macropleating or double bellows technology
- Reusable connection nipples
- Filter fineness range of: 1-2, 3-5, 10 and 25  $\mu\text{m}$
- Pressure stability up to 3 bar
- Splash protection fabric for improved process reliability
- Integrated handles allow easy fitting and removal

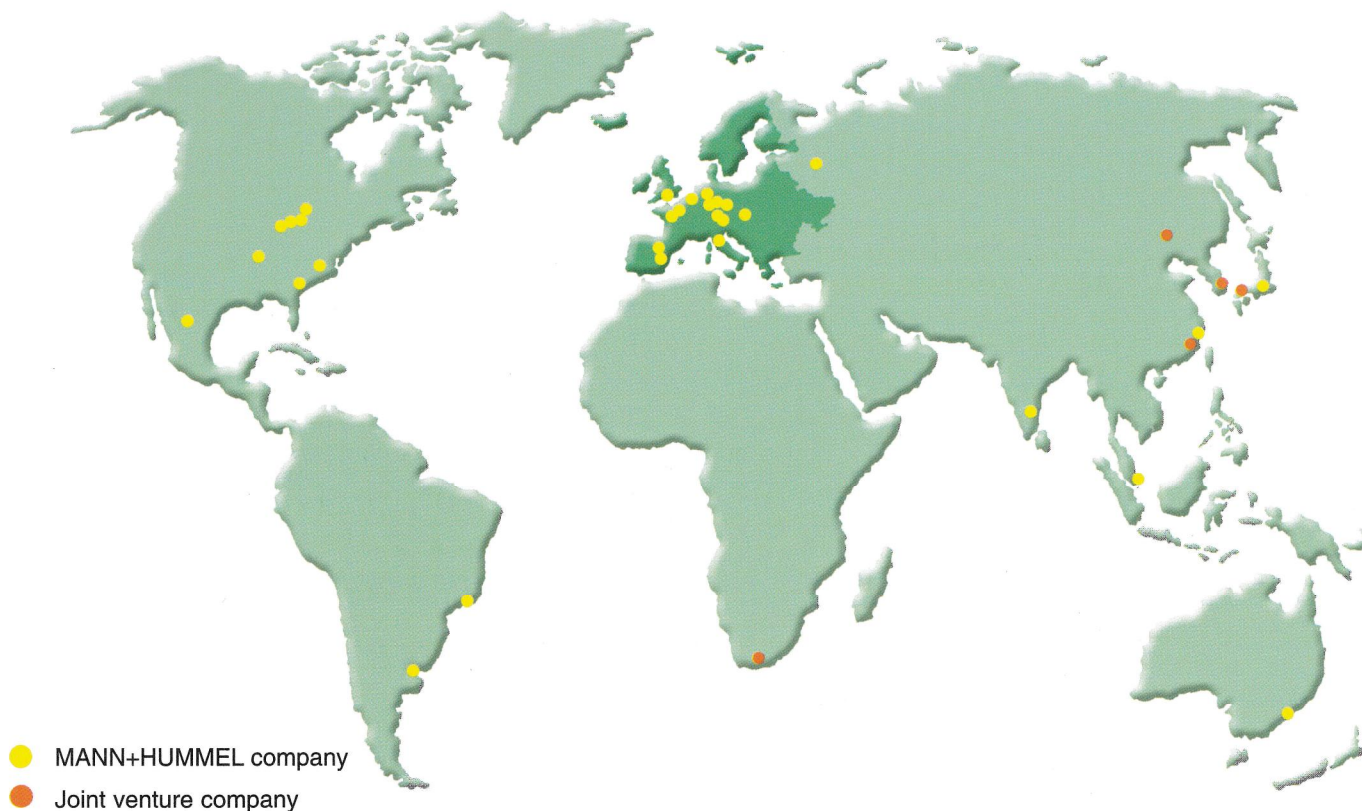


Order No.	Machine application	Connections	Form	Surface area [m <sup>2</sup> ]	Dimensions in mm				Filter fineness [μm]
					d <sub>1</sub>	d <sub>2</sub>	d <sub>3</sub>	h	
H 34 1290	Charmilles, Fanuc <sup>1)</sup> , Sodick	–	A	12.6	340	404	47.5	339	3-5
H 34 1290/1	Charmilles, Makino	G 3/4"	B	12.6	340	404	–	339	3-5
H 34 1290/2	Mitsubishi	G 3/4"	C	12.6	340	404	–	339	3-5
H 34 1390		G 3/4"	D	13.5	340	404	–	300	3-5
H 34 1390/1	Charmilles, Fanuc, Hitachi,	G 3/4"	D	13.5	340	404	–	300	1-2
H 34 1390/2	Makino, Mitsubishi	G 3/4"	D	12.8	340	404	–	300	10
H 34 1390/3		G 3/4"	D	10.2	340	404	–	300	25
H 34 1790	Sodick	–	F	17.0	340	404	47.5	450	3-5
H 34 1790/1	Charmilles, Mitsubishi	G 3/4"	B	17.0	340	404	–	450	3-5
H 34 1790/2	Charmilles, Fanuc <sup>1)</sup>	–	E	17.0	340	404	47.5	450	3-5
H 34 1790/3 <sup>2)</sup>	Charmilles, Fanuc <sup>1)</sup>	–	E	14.5	340	404	47.5	450	3-5
H 34 2090	Charmilles, Mitsubishi	G 3/4"	D	20.6	340	404	–	450	3-5

<sup>1)</sup> With service kit (order no. 67 000 50 900)

<sup>2)</sup> Filters with conventional pleat heights





## MANN+HUMMEL Industrial Filters

The MANN+HUMMEL Group is an international company with its headquarters in Ludwigsburg, Germany. The group employs approx. 9300 people worldwide at more than 40 locations.

The company develops, produces and sells technically complex components 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 group. Filters for the

international aftermarket are sold under numerous international brands as well as under the MANN-FILTER brand.

The Industrial Filters Business Unit with its headquarters in Speyer, Germany is specialised in meeting the requirements of off-highway vehicle

and - engine applications, compressed air and vacuum technology, mechanical engineering and plant construction. For these and other industrial fields MANN+HUMMEL Industrial Filters offers high performance products for the filtration and separation of air, gases and liquids.



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