



**A universal solution!**  
**The H 34 1390 series for MITSUBISHI ELECTRIC,**  
**MAKINO, FANUC and HITACHI EDM machines.**



**The H 34 1390 series: Innovative, flexible and comprehensive.**

**Good filtration of the dielectric fluid used in the EDM process is essential for the machining of high quality parts which in turn results in economic running costs.**

The MANN+HUMMEL H 34 1390 series offers a unique performance range for demanding EDM processes. The plastic filters are ideal to replace conventional metal filter elements. They are designed for use in the following EDM machines as a stand-alone filter and have a quick-fit system.

- MITSUBISHI ELECTRIC CX series 10, 20 / FX, FX-K series 10, 20, 30 / QA, RA, PX, FA series 10, 20, 30
- MAKINO U-32, U-53, U 32K, EU-64, SP43, SP64 series
- FANUC  $\alpha$ -0iB,  $\alpha$ -0PiB,  $\alpha$ -1iB,  $\alpha$ -0iC,  $\alpha$ -0PiC,  $\alpha$ -1iC
- HITACHI Q series, H-Cut (3,4,5,6,8,3HP, 203) / Q-CUT-254RS, 355RS, 203M20, 203Q20, 203R, 254(R, RH), 355(R, RH)

**Advantages of the H 34 1390 series**

- Economic alternative to a metal filter
- Long filter service life through large filter surface area
- Integrated handles enable easy handling when fitting and changing the element
- Easy connection for each machine through specific connectors
- High process reliability through modern housing concept with pressure stability up to 3 bar
- No chemical influence on dielectric fluid due to use of corrosion-free materials
- 30% weight advantage compared to comparable metal version



**Previously: Metal**

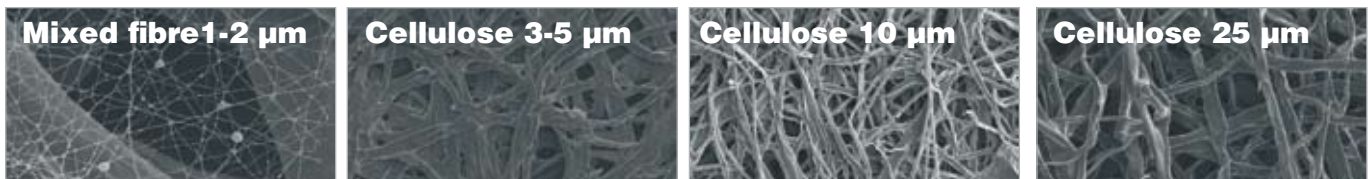
**New: Plastic**

## You have the choice!

The filter media developed by MANN+HUMMEL offer excellent filtration. The maximised filter surface area and the double-bellows technology enable a very long service life and an extremely high dirt holding capacity.

The central connection thread G 3/4" enables a very flexible use and easy adaptation to different machines. Specific connectors for MITSUBISHI ELECTRIC, MAKINO, FANUC and HITACHI machines are available.

In total there are four different filter types available with different media and filter finenesses, perfectly adjusted to suit every EDM application and the respective requirements.



	Machine application	Order No.	Filter surf. ar. in m <sup>2</sup> (ft <sup>2</sup> )	Filter fineness in µm (micron)	Dimensions in mm (inches)			Connection thread
					d1	d2	h	
	<b>MITSUBISHI ELECTRIC</b> <b>MAKINO</b> <b>FANUC</b> <b>HITACHI</b>	H 34 1390	13.5 (140)	3-5	340 (13.4)	404 (15.9)	300 (11.8)	G 3/4"
		H 34 1390/1	13.5 (140)	1-2				
		H 34 1390/2	12.8 (129)	10				
		H 34 1390/3	10.2 (108)	25				

Further detailed information for your application is available from your qualified EDM-distributor.



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