



## INDUSTRIAL VACUUM CLEANER FOR FIBREGLASS AND ALUMINIUM PRINTED CIRCUITS

This range of models is used with great success in the world of **printed circuit board processing**.

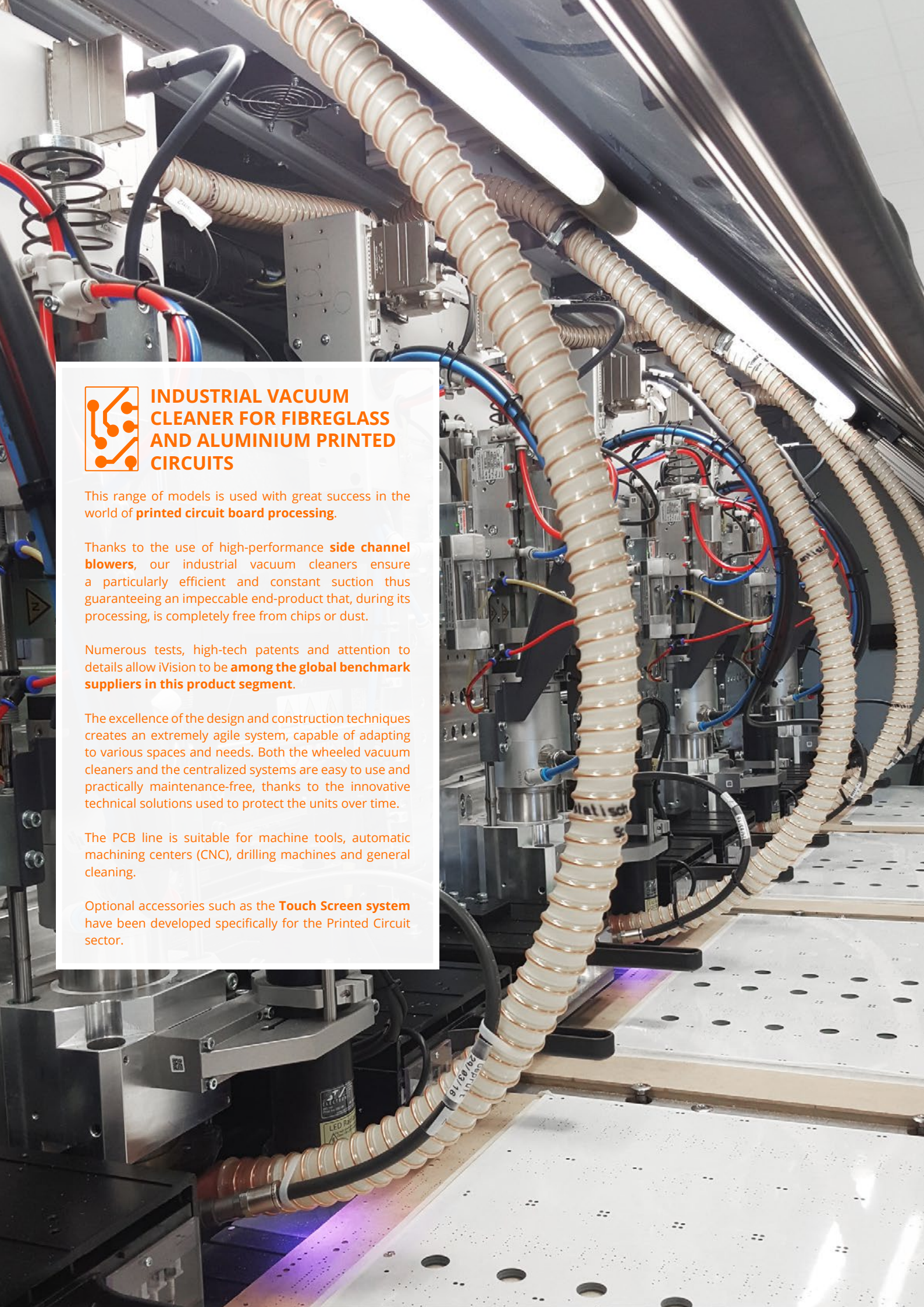
Thanks to the use of high-performance **side channel blowers**, our industrial vacuum cleaners ensure a particularly efficient and constant suction thus guaranteeing an impeccable end-product that, during its processing, is completely free from chips or dust.

Numerous tests, high-tech patents and attention to details allow iVision to be **among the global benchmark suppliers in this product segment**.

The excellence of the design and construction techniques creates an extremely agile system, capable of adapting to various spaces and needs. Both the wheeled vacuum cleaners and the centralized systems are easy to use and practically maintenance-free, thanks to the innovative technical solutions used to protect the units over time.

The PCB line is suitable for machine tools, automatic machining centers (CNC), drilling machines and general cleaning.

Optional accessories such as the **Touch Screen system** have been developed specifically for the Printed Circuit sector.





# PCB LINE

HI-TECH VACUUM



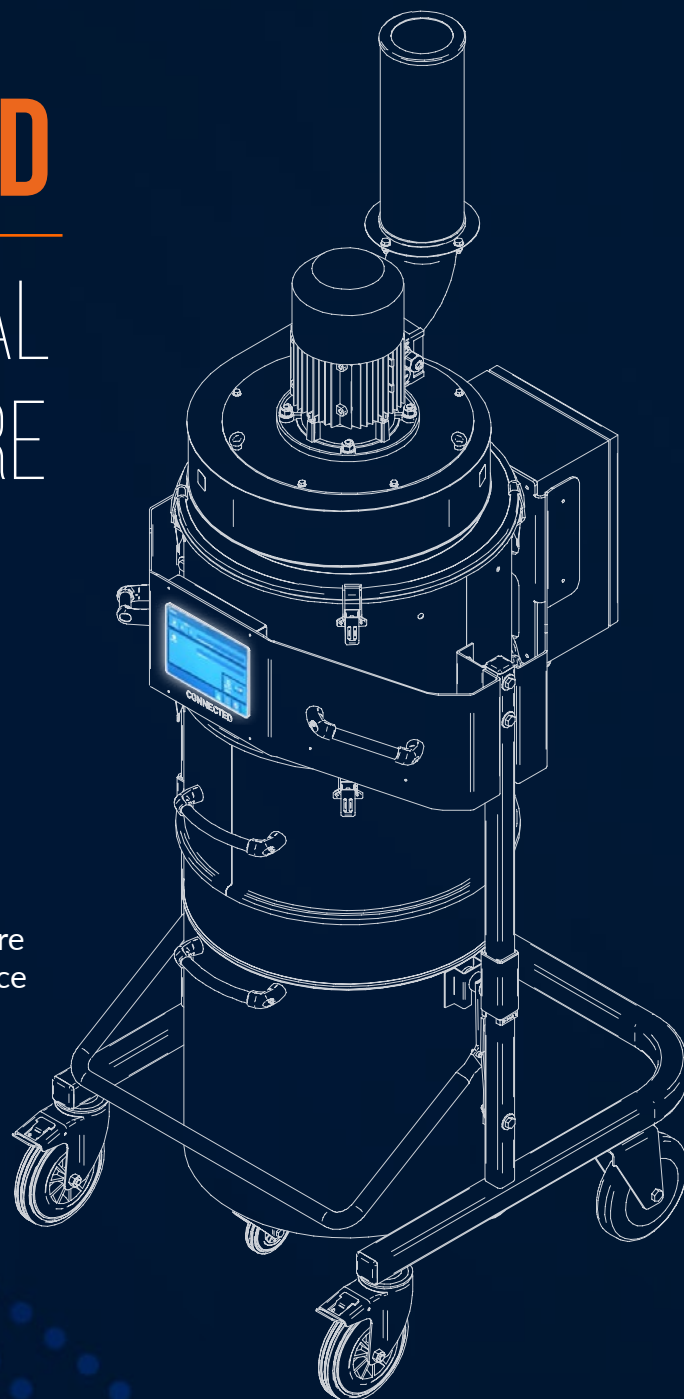


# 4.0 CONNECTED

THE 4TH INDUSTRIAL  
REVOLUTION IS HERE

## MODEL

- HMI with latest generation software
- Company network connection following the 4.0 Industry parameters
- Live monitoring of functional parameters
- Predictive maintenance
- Zero risk of machine downtime
- Maximum work efficiency
- Control of the emissions into the atmosphere
- Tax benefits (according to regulations in force in the specific country)





## REMOTE MONITORING 4.0

A simple and intuitive dashboard shows in real time the operating parameters of 4.0 Connected vacuum cleaners



## NO MORE MACHINE DOWNTIME

The remote monitoring is able to foresee any malfunction or maintenance to be carried out before any machine downtime occurs



## REAL-TIME ASSISTANCE

Once the problem is detected, iVision customer assistance will contact you directly to offer support



## CLEANER AIR

The double filtering stage purifies the suctioned air from the finest particles, potentially harmful to the health of operators, before releasing clean air back into the working environment

## Industrial vacuum cleaner

## PCB 38

## INDUSTRIAL VACUUM CLEANER FOR FIBREGLASS AND ALUMINIUM PRINTED CIRCUITS

The PCB 38 litres is a compact, practical and handy vacuum cleaner used mainly for the collection of chips and dust in small one- or two-spindle machines. In combination with the 38-litre PCB vacuum cleaner, iVision has set-up a line of specific accessories for the world of printed circuits.



## PCB 38

Product code		Y0000240	Y0000244
<b>POWER</b>	<b>Kw</b>	<b>2,2</b>	<b>3</b>
FREQUENCY	Hz	50	50
SUPPLY VOLTAGE <sup>1</sup>	V	400	400
MAXIMUM NEGATIVE PRESSURE	mbar	300	310
MAXIMUM AIR FLOW RATE	m <sup>3</sup> /h	310	310
INLET DIAMETER	ømm	100	100
NUMBER OF INLETS	n	1	1
CONTAINER CAPACITY	Lt	38	38
DIMENSION	HxLxW cm	104*90*63	104*90*63
WEIGHT	Kg	90	90
FILTER <sup>2</sup>	-	Class M + PTFE membrane	Class M + PTFE membrane

## OPTIONAL

Antistatic kit

Start &amp; stop

PVC collection bag kit

Filter Cleaning System with piston (semi-automatic)

Atex 22 Version

## CONNECTION KIT

① Connection fitting

② Hose clamp (2 Pcs)

③ Hose

<sup>1</sup> Other voltages and frequencies available upon request

<sup>2</sup> Other filter media available upon request

## Industrial vacuum cleaner

## PCB 100

## INDUSTRIAL VACUUM CLEANER FOR FIBREGLASS AND ALUMINIUM PRINTED CIRCUITS

The PCB 100 litres vacuum cleaner was designed for the needs of medium industrial facilities. This model is equipped with a powerful side channel blower and an advanced filtering system. The vacuum characteristics and air flow rate making the 100-litre PCB ideal for the intensive collection of chips and heavy dust generated by 2 and 4-spindle drilling and milling machines. With this system the waste generated on the drilling or milling machines is effectively extracted during processing, to reduce fouling to a minimum.



## PCB 100

Product code		Y0000296	Y0000248	Y0000252
<b>POWER</b>	<b>Kw</b>	<b>2,2</b>	<b>3</b>	<b>4</b>
FREQUENCY	Hz	50	50	50
SUPPLY VOLTAGE <sup>1</sup>	V	400	400	400
MAXIMUM NEGATIVE PRESSURE	mbar	300	310	320
MAXIMUM AIR FLOW RATE	m <sup>3</sup> /h	310	310	310
INLET DIAMETER	ømm	100	100	100
NUMBER OF INLETS	n	1	1	1
CONTAINER CAPACITY	Lt	100	100	100
DIMENSION	HxLxW cm	152*104*73	152*104*73	152*104*73
WEIGHT	Kg	115	115	115
FILTER <sup>2</sup>	-	Class M + PTFE membrane	Class M + PTFE membrane	Class M + PTFE membrane

## OPTIONAL

Antistatic kit

Start &amp; stop

PVC collection bag kit

Filter Cleaning System with piston (semi-automatic)

Lift kit for tank 100

Atex 22 Version

## CONNECTION KIT

- ① Connection fitting
- ② Hose clamp (2 Pcs)
- ③ Hose

<sup>1</sup> Other voltages and frequencies available upon request

<sup>2</sup> Other filter media available upon request

## Industrial vacuum cleaner

## PCB 160

## INDUSTRIAL VACUUM CLEANER FOR FIBREGLASS AND ALUMINIUM PRINTED CIRCUITS

The PCB 160 litres vacuum cleaner is the most powerful wheeled vacuum cleaner model and is used for the collection of chips and dust in large drilling and milling machines (6 spindles and more). iVision has designed a series of specific accessories for the printed circuit industry, such as the touch screen and HMI (Human Machine Interface), ideal for the large systems of PCB manufacturer plants.

Also available in the **4.0 CONNECTED** version

## PCB 160

Product code		Y0000256	Y0000260	Y0000264
<b>POWER</b>	<b>Kw</b>	<b>5,5</b>	<b>7,5</b>	<b>12,5</b>
FREQUENCY	Hz	50	50	50
SUPPLY VOLTAGE <sup>1</sup>	V	400	400	400
MAXIMUM NEGATIVE PRESSURE	mbar	300	320	300
MAXIMUM AIR FLOW RATE	m <sup>3</sup> /h	550	550	1100
INLET DIAMETER	ømm	100	100	100
NUMBER OF INLETS	n	2	2	2
CONTAINER CAPACITY	Lt	160	160	160
DIMENSION	HxLxW cm	180*126*84	180*126*84	180*126*84
WEIGHT	Kg	190	200	280
FILTER <sup>2</sup>	-	Class M + PTFE membrane	Class M + PTFE membrane	Class M + PTFE membrane

## OPTIONAL

Antistatic kit

Start &amp; stop

Filter Cleaning System with piston (semi-automatic)

Lift kit for tank 160

PVC collection bag kit

Touch screen

Atex 22 Version

## CONNECTION KIT

① Connection fitting

② Hose clamp (2 Pcs)

③ Hose

<sup>1</sup> Other voltages and frequencies available upon request

<sup>2</sup> Other filter media available upon request

## Industrial vacuum cleaner

## PCB 320

## INDUSTRIAL VACUUM CLEANER FOR FIBREGLASS AND ALUMINIUM PRINTED CIRCUITS

The PCB 320 litres vacuum cleaner was designed for the needs of large industrial facilities. This model is equipped with powerful side channel blowers and an advanced filtering system. The vacuum characteristics and air flow rate making PCB 320 litres ideal for the intensive collection of chips and heavy dust generated by drilling and milling machines with 6 and more spindles. The use of a cyclonic pre-filter that captures more than 90% of the extracted material before reaching the main filter, thereby preventing clogging and considerably prolonging the service life.



## PCB 320

Also available in the 4.0 CONNECTED version

Product code				
POWER	Kw	7,5	12,5	18,5
FREQUENCY	Hz	50	50	50
SUPPLY VOLTAGE <sup>1</sup>	V	400	400	400
MAXIMUM NEGATIVE PRESSURE	mbar	320	300	300
MAXIMUM AIR FLOW RATE	m <sup>3</sup> /h	700	1100	1350
INLET DIAMETER	ømm	100	100	100
NUMBER OF INLETS	n	1	1	1
CONTAINER CAPACITY	Lt	320 (160x2)	320 (160x2)	320 (160x2)
DIMENSION	HxLxW cm	250*200*150	250*200*150	250*200*150
WEIGHT	Kg	425	425	550
FILTER <sup>2</sup>	-	Class M + PTFE membrane	Class M + PTFE membrane	Class M + PTFE membrane

## OPTIONAL

Antistatic kit

Start &amp; stop

PVC collection bag kit

Filter Cleaning System with piston (semi-automatic)

Touch screen

Atex 22 Version

## CONNECTION KIT

- ① Connection fitting
- ② Hose clamp (2 Pcs)
- ③ Hose

<sup>1</sup> Other voltages and frequencies available upon request

<sup>2</sup> Other filter media available upon request

## Industrial vacuum cleaner

**PCB CUSTOM****INDUSTRIAL VACUUM CLEANER FOR FIBREGLASS AND ALUMINIUM PRINTED CIRCUITS**

The vacuum cleaners of the PCB line are dedicated to machines for the production of printed circuits such as drilling, milling or contouring machines, which require accurate and efficient extraction of chips/dust. The CUSTOM model features a continuous discharging system with rotary valve that discharges the material directly into bigbags. The detection sensors and the sound and visual alarm system are designed to provide the operator with the maximum support. The separate 4-independent cartridge cleaning system allows maximum efficiency at all times. iVision© HMI system allows full control of the system and its efficiency, easily and intuitively.

**PCB CUSTOM**Also available in the **4.0 CONNECTED** version

Product code		
<b>POWER</b>	<b>Kw</b>	<b>18,5</b>
FREQUENCY	Hz	50
SUPPLY VOLTAGE <sup>1</sup>	V	400
MAXIMUM NEGATIVE PRESSURE	mbar	320
MAXIMUM AIR FLOW RATE	m³/h	1350
INLET DIAMETER	ømm	100
NUMBER OF INLETS	n	1
CONTAINER CAPACITY	Lt	continuous discharging
DIMENSION	HxLxW cm	-
WEIGHT	Kg	-
FILTER <sup>2</sup>	-	Class M + PTFE membrane

**OPTIONAL**

Antistatic kit

Start &amp; stop

Frequency inverter

**CONNECTION KIT**

① Connection fitting

② Hose clamp (2 Pcs)

③ Hose

<sup>1</sup> Other voltages and frequencies available upon request<sup>2</sup> Other filter media available upon request