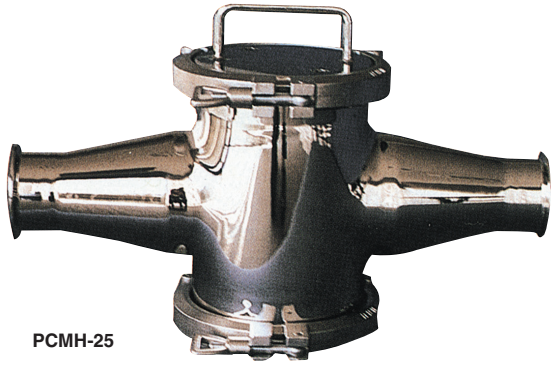
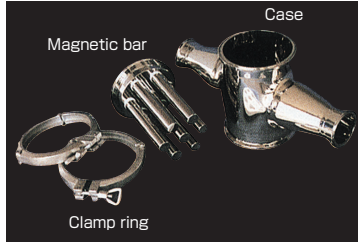


# POWERFUL MAGNETIC SEPARATORS

## Model **PCMH** MAGNETIC FILTER FOR VISCOUS LIQUID



PCMH-25



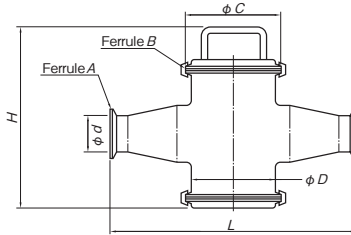
### [Application]

This filter is recommended for installation between manufacturing processes in plants of viscous foods like pasty juice and chemical products like viscous cosmetic liquids to separate and catch harmful magnetic fine particles.

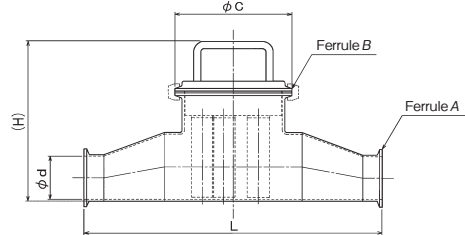
### [Features]

- High grade finish of sanitary specification.
- Can withstand high pressure and high viscosity.
- Various sizes are available to meet various pipe diameters.
- Since permanent magnets that maintain a strong magnetic force almost perpetually are used, the running cost can be reduced significantly.
- Powerful magnetic bars having a surface magnetic flux density of 0.8 T or 1 T or over are built in, that shows superb performance in collecting iron from flowing fluids.
- A heat-resistant powerful version that can maintain its strong magnetic force without significant deterioration when used continuously in fluids up to 150°C is also available.

### <PCMH Series>



### <PCMH2 Series>



### Powerful type / Heat-resistant powerful type

[mm (in)]

Model		Material	Finish	Pressure Resistance Limit	Viscosity Upper Limit of Applicable Fluid (Ref)	Magnetic Bar		Dimensions						Working Temp. Upper Limit	Mass					
Powerful	Heat-resistant powerful					Material	Qty	Surface max. magnetic flux density	A	d	B	C	D			L	H			
PCMH -15	PCMH -T15	SUS 304	#400 buffed	1,000kPa (10kgf/cm <sup>2</sup> )	1 × 10 <sup>6</sup> mPa·s (1 × 10 <sup>5</sup> cP)	SUS 304	5	0.8T (8000G)	1 1/2S	35.7 (1.41)	4 1/2S	130	114.3 (4.50)	330 (12.9)	240 (9.44)	Powerful type 80°C (176° F) Heat-resistant powerful type 150°C (302° F)	10.2kg/22.5 lb	11.5kg/25.0 lb		
PCMH -20	PCMH -T20								2 S	47.8 (1.88)										
PCMH -25	PCMH -T25								2 1/2S	59.5 (2.34)	5 1/2S	155 (6.10)	139.8 (5.50)	420 (16.5)	260 (10.2)		14.5kg/31.9 lb	15.8kg/34.8 lb		
PCMH -30	PCMH -T30								3 S	72.3 (2.84)										
PCMH -35	PCMH -T35								3 1/2S	85.1 (3.35)										
PCMH2-15	PCMH2-T15								SUS 304	#400 buffed	500kPa (5kgf/cm <sup>2</sup> )	1.5 × 10 <sup>6</sup> mPa·s (1.5 × 10 <sup>4</sup> cP)	SUS 304	5	0.8T (8000G)		1 1/2S	35.7 (1.41)	4 1/2S	130
PCMH2-20	PCMH2-T20			2 S	47.8 (1.88)															
PCMH2-25	PCMH2-T25			2 1/2S	59.5 (2.34)	5 1/2S	155 (6.10)	-									420 (16.5)	203 (7.99)	11.0kg/24.2 lb	
PCMH2-30	PCMH2-T30			3 S	72.3 (2.84)															
PCMH2-35	PCMH2-T35			3 1/2S	85.1 (3.35)															

\*A SUS316 version is also available upon request. The standard connection method is by use of ferrules, but a screw type or flange type is also available.

### Super powerful type / Heat-resistant super powerful type

[mm (in)]

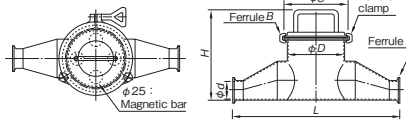
Model		Material	Finish	Pressure Resistance Limit	Viscosity Upper Limit of Applicable Fluid (Ref)	Magnetic Bar		Dimensions						Working Temp. Upper Limit	Mass					
Powerful	Heat-resistant powerful					Material	Qty	Surface max. magnetic flux density	A	d	B	C	D			L	H			
PCMH -A15	PCMH -AT15	SUS 304	#400 buffed	1,000kPa (10kgf/cm <sup>2</sup> )	1 × 10 <sup>6</sup> mPa·s (1 × 10 <sup>5</sup> cP)	SUS 304	5	1T (10000G)	1 1/2S	35.7 (1.41)	4 1/2S	130	114.3 (4.50)	330 (12.9)	240 (9.44)	Super powerful type 80°C (176° F) Heat-resistant super powerful type 150°C (302° F)	10.2kg/22.5 lb	11.5kg/25.0 lb		
PCMH -A20	PCMH -AT20								2 S	47.8 (1.88)										
PCMH -A25	PCMH -AT25								2 1/2S	59.5 (2.34)	5 1/2S	155 (6.10)	139.8 (5.50)	420 (16.5)	260 (10.2)		14.5kg/31.9 lb	15.8kg/34.8 lb		
PCMH -A30	PCMH -AT30								3 S	72.3 (2.84)										
PCMH -A35	PCMH -AT35								3 1/2S	85.1 (3.35)										
PCMH2-A15	PCMH2-AT15								SUS 304	#400 buffed	500kPa (5kgf/cm <sup>2</sup> )	1.5 × 10 <sup>6</sup> mPa·s (1.5 × 10 <sup>4</sup> cP)	SUS 304	5	1T (10000G)		1 1/2S	35.7 (1.41)	4 1/2S	130
PCMH2-A20	PCMH2-AT20			2 S	47.8 (1.88)															
PCMH2-A25	PCMH2-AT25			2 1/2S	59.5 (2.34)	5 1/2S	155 (6.10)	-									420 (16.5)	203 (7.99)	11.0kg/24.2 lb	
PCMH2-A30	PCMH2-AT30			3 S	72.3 (2.84)															
PCMH2-A35	PCMH2-AT35			3 1/2S	85.1 (3.35)															

\*A SUS316 version is also available upon request. The standard connection method is by use of ferrules, but a screw type or flange type is also available.

## Model **PCMH2-E** MAGNETIC FILTER FOR VISCOUS LIQUID



PCMH2-E20



### [Application]

Since these filters have been made by welding all around, they are suitable for food processing operations; in particular, most suitable for operations where the growth of bacteria is never allowed.

### [Features]

- The magnetic bar imbedded part has been welded all around and buffed for clean operations.
- A super powerful type and heat-resistant type are also available.

[mm (in)]

Model	Material	Finish	Pressure Resistance Limit	Viscosity Upper Limit of Applicable Fluid (Ref)	Magnetic Bar		Dimensions						Working Temp. Upper Limit	Mass			
					Material	Qty	Surface max. magnetic flux density	A	d	B	C	D	L	H			
PCMH2-E15	SUS 304	#400 buffed	500kPa (5kgf/cm <sup>2</sup> )	1.5 × 10 <sup>6</sup> mPa·s (1.5 × 10 <sup>4</sup> cP)	SUS 304	4	0.8T (8000G)	1 1/2S	35.7 (1.41)	4 1/2S	130	114.3 (4.50)	330 (12.9)	177 (6.96)	80°C (176° F)	6.5kg/14.3 lb	
PCMH2-E20								2 S	47.8 (1.88)								
PCMH2-E25								2 1/2S	59.5 (2.34)	5 1/2S	155 (6.10)	139.8 (5.50)	420 (16.5)	203 (7.99)			11kg/24.2 lb
PCMH2-E30								3 S	72.3 (2.84)								
PCMH2-E35								3 1/2S	85.1 (3.35)								

\*A SUS316 version is also available upon request. The standard connection method is by use of ferrules, but a screw type or flange type is also available.

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