



Scale Control

Coffee, Vending and Steamers

3M™ ScaleGard® Pro P1175 Filtration System

A disposable scale control system designed to protect coffee machines, vending equipment and steamers from scale build up. Available in two resin types to cover situations where corrosion is not an issue.

Designed to prevent hard scale formation in the heating coils that results in energy inefficiency, downtime and expensive service calls.

Features

- High Capacity
- Sanitary quick change head
- Proportional and filtered bypass
- Extends range to 6 cartridge sizes
- Disposable cartridge system
- High performance in exchange resin
- pH neutral media
- Bypass options
- Encapsulated cartridge
- Compact unit
- 3/8" BSPT and JG female inlet and outlet connections
- VH3 interconnect

Benefits

- 6000 litre capacity at 25% bypass makes P1175 ideal for coffee machines and large vending machines (no bypass version recommended for steamers). H+ versions for applications where corrosion is not an issue offer 8400 Litres at 25% bypass.
- No contamination or leaks as 'O' rings are changed in 1/4 turn with cartridge
- Bypass will stay fixed even with varying inlet pressure or flow
- All water goes through the carbon block, this reduces chlorine, taste and odour and requires minimal flush
- P1175 products adds more choice for the requirements of a range of equipment types and capacities
- Lower investment and service costs than re-usable scale control units (pods)
- Reduces scale forming minerals so there is little or no scale build up and service costs are dramatically reduced
- Designed for long service life and minimised corrosion potential
- Availability of bypass and non-bypass options means recipe quality water for hot beverages, steamers or steam arms
- Rapid change-out requires no expertise or tools
- Can be mounted in a cabinet or off the floor either vertically or horizontally using bump-ons
- Easy to connect to existing pipework
- Head can be retrofitted with other SGP or HF cartridges to deliver a variety of water treatment solutions

Scale Control

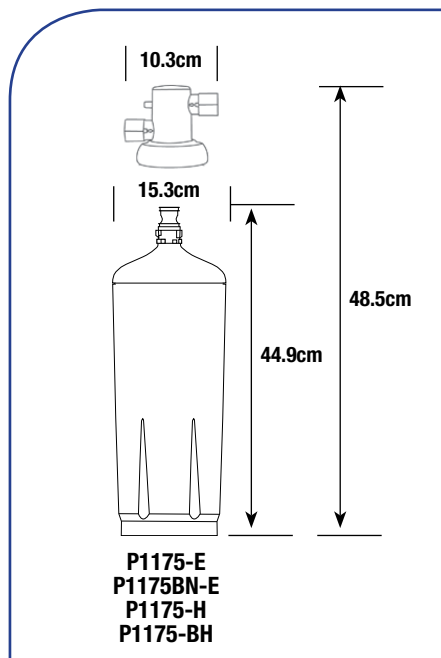
Coffee, Vending and Steamers

Coffee, Vending and Steamer scale control range and technical specifications

Model/System	Capacity (litres) (lpm)	Flow	Reduction Claims			Components				Bypass
			Hardness	Chlorine taste & odour	Sediment*	Head		Cartridge		
						Model	Part No	Model	Part No	
SGP 1175 BN-E	6,000l @ 180 ppm	3.8	•	•	•	VH3-JG-NB VH3-BSPT-NB	70020231471 70020254366	P1175 BN-E	XA004809274	Y
SGP 1175-E	4,500l @ 180 ppm	3.8	•	•	•	VH3-JG-NB VH3-BSPT-NB	70020231471 70020254366	P1175-E	XA004809282	N
SGP 1175-BH	8,400l @ 180 ppm	3.8	•	•	•	VH3-JG-NB VH3-BSPT-NB	70020231471 70020254366	P1175-BH	XA004819588	Y
SGP 1175-H	6,300l @ 180 ppm	3.8	•	•	•	VH3-JG-NB VH3-BSPT-NB	70020231471 70020254366	P1175-H	XA004819570	N
Digital Flow Meter Kit for ScaleGard® Pro									XA004827425	N/A
Venting Kit for P1175									Contact for Details	N/A

*Reduces to 1 micron (Nominal).

Dimensions



Sizing Guide

Incoming Hardness				P1175BN-E		P1175-BH**	
ppm	°e	°d	°f	Litres	Cups*	Litres	Cups*
140	9.8	7.8	14	7714	51429	10800	72000
180	12.6	10.1	18	6000	40000	8400	56000
210	14.7	11.8	21	5143	34286	7200	48000
250	17.5	14.0	25	4320	28800	6048	40320
280	19.6	15.7	28	3857	25714	5400	36000
320	22.4	17.9	32	3375	22500	4725	31500
360	25.2	20.2	36	3000	20000	4200	28000
390	27.3	21.8	39	2769	18462	3877	25846
430	30.1	24.1	43	2512	16744	3517	23442

*Number of cups based on 150ml dispense.

**Use where corrosion is not an issue

Capacities are guidelines only. Actual capacity will be dependant on water quality, machine type and flow characteristics. For P1175-E and P1175H capacities reduces by 25%. These are suitable for applications like steamers.

For commercial use with cold water only. For all systems, heads and cartridges are sold separately. Maximum operating pressure is 100psi. Inlet and outlet connections are 3/8" BSPT or JG female. All materials are FDA CFR 21 compliant. Maximum operating temperature is 37.8°C.

Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system. In line with current good practice filters should be changed every 12 months, on reaching capacity or if a noticeable drop in performance occurs. Scheduled maintenance is recommended. 3M cannot be liable for system failures due to improper maintenance.



Purification

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