

Scale Control Coffee & Vending

ScaleGard® Pro H+ Range

A disposable scale control system designed to protect coffee and vending equipment from scale build up, 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.

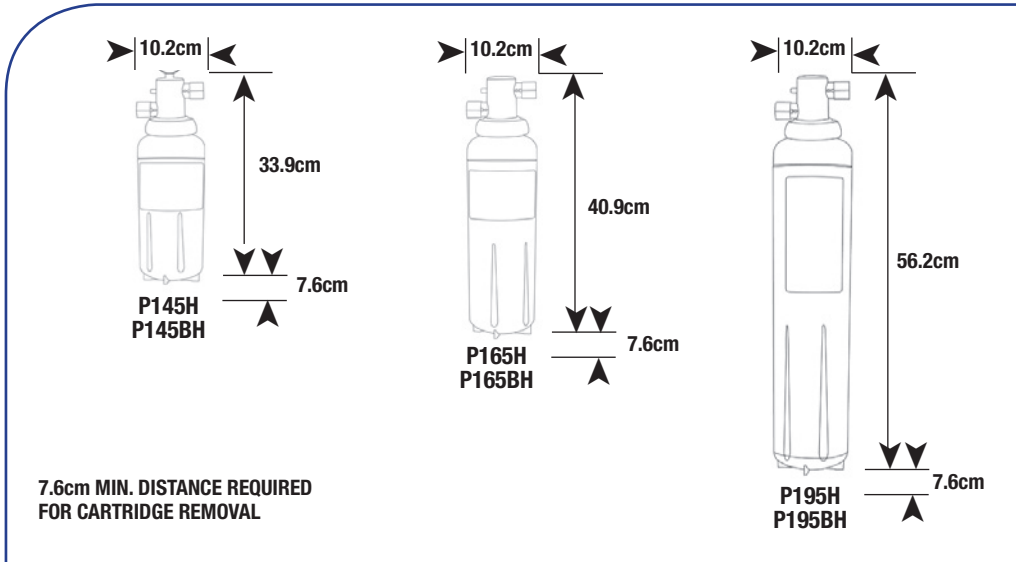
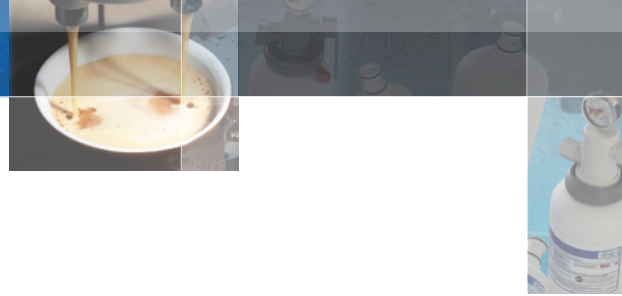
Features	Benefits
• Range of 3 cartridge sizes	• Covers the requirements of a range of equipment types
• Disposable cartridge system	• Lower investment and service costs than pod systems
• Resins for scale control	• Reduces scale forming minerals so there is little or no scale build up and service costs are dramatically reduced
• Carbon block post filter	• Reduces chlorine taste and odour and requires minimum flush
• Higher capacities than standard range	• Increases life for stated applications, reduces change-outs
• Bypass options	• Availability of bypass and non-bypass options means recipe quality water for hot beverages, steamers or steam arms
• Encapsulated cartridge	• Rapid change-out requires no expertise or tools
• Sanitary quick change head	• No contamination or leaks as 'O' rings are changed in ¼ turn with cartridge
• Compact unit with bracket	• Can be mounted in a cabinet or off the floor
• 3/8" BSPT female inlet and outlet connections	• Easy to connect to existing pipework

Coffee and vending scale control range and technical specifications

Model/System	Capacity (litres)	Flow (lpm)	Reduction Claims		Component				Bypass
					Head		Cartridge		
			Hardness	Chlorine, Taste & Odour	Model	Part No	Model	Part No	
SGP 145BH	2,240 @ 180ppm	1.9	◆	◆	VH3-BSPT	70020114164	P145BH	XA004819646	Y
SGP 145H	1,680 @ 180ppm	3.8	◆	◆	VH3-BSPT	70020114164	P145H	XA004819638	N
SGP 165BH	3,173 @ 180 ppm	3.8	◆	◆	VH3-BSPT	70020114164	P165BH	XA004819620	Y
SGP 165H	2,380 @ 180ppm	3.8	◆	◆	VH3-BSPT	70020114164	P165H	XA004819612	N
SGP 195BH	5,289 @ 180 ppm	3.8	◆	◆	VH3-BSPT	70020114164	P195BH	XA004819604	Y
SGP 195H	3,967 @ 180ppm	3.8	◆	◆	VH3-BSPT	70020114164	P195H	XA004819596	N
Digital Flow Meter Kit for ScaleGard Pro									N/A



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Sizing Guide

Incoming Hardness				Litre Throughput					
ppm	°e	°d	°f	SGP145BH		SGP165BH		*SGP195BH	
				Litres	Cups*	Litres	Cups*	Litres	Cups*
140	9.8	7.8	14	2880	19200	4080	27197	6800	45334
180	12.6	10.1	18	2240	14933	3173	21153	5289	35260
210	14.7	11.8	21	1920	12800	2720	18131	4533	30223
250	17.5	14.0	25	1613	10752	2285	15230	3808	25387
280	19.6	15.7	28	1440	9600	2040	13599	3400	22667
320	22.4	17.9	32	1260	8400	1785	11899	2975	19834
360	25.2	20.2	36	1120	7467	1587	10577	2645	17630
390	27.3	21.8	39	1034	6892	1464	9763	2441	16274
430	30.1	24.1	43	938	6251	1328	8855	2214	14760

Capacities are guidelines only. Actual capacity will be dependant on water quality, machine type and flow characteristics.

* Cup size based on average 150ml dispense

**All capacities based on 25% bypass. For none bypass, capacity should be reduced by 25%. None bypass models are P145H, P165H and P195H.

For commercial use with cold water only. For all systems, heads and cartridges are sold separately. Head comes with integral mounting bracket. Maximum operating pressure is 100psi. Inlet and outlet connections are 3/8" BSPT female. All materials are FDA CFR 21 compliant. Maximum operating temperature is 38°C.

Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system. Filters should be changed at their stated capacity. Scheduled maintenance is recommended. 3M cannot be liable for system failures due to improper maintenance.

3M

Purification

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