

Scale Control Coffee & Vending



ScaleGard® Pro Range

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

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

Features

- Range of 5 cartridge sizes
- Disposable cartridge system
- Resins for scale control
- Carbon block post filter
- Proprietary pH neutral media
- Bypass options
- Encapsulated cartridge
- Sanitary quick change head
- Compact unit with bracket
- 3/8" BSPT female inlet and outlet connections

Benefits

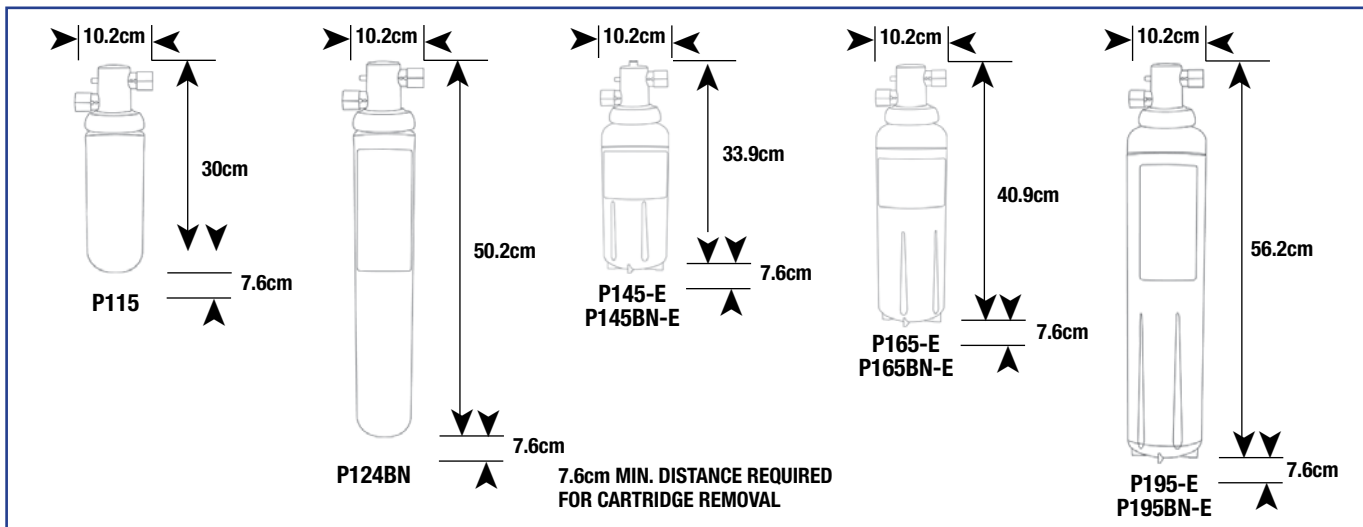
- Covers the requirements of a range of equipment types
- Lower investment and service costs than pod systems
- Reduces scale forming minerals so there is little or no scale build up and service costs are dramatically reduced
- Reduces chlorine taste and odour and requires minimum flush
- Designed for long service life and no corrosion
- 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
- No contamination or leaks as 'O' rings are changed in ¼ turn with cartridge
- Can be mounted in a cabinet or off the floor
- Easy to connect to existing pipework

Coffee and vending scale control range and technical specifications

Model/System	Capacity (litres) (lpm)	Flow	Reduction Claims		Components				Bypass
			Hardness taste & odour	Chlorine	Head		Cartridge		
					Model	Part No	Model	Part No	
SGP 115	600l @ 180 ppm	1.9	•	•	VH3-BSPT	70020114164	P115	70020207299	N
SGP 124BN-E	1,600l @ 180 ppm	1.9	•	•	VH3-BSPT	70020114164	P124BN	70020019876	Y
SGP 145BN-E	1,600l @ 180 ppm	1.9	•	•	VH3-BSPT	70020114164	P145BN-E	XX004818362	Y
SGP 145-E	1,200l @ 180 ppm	3.8	•	•	VH3-BSPT	70020114164	P145-E	XX004814370	N
SGP 165BN-E	2,300l @ 180 ppm	3.8	•	•	VH3-BSPT	70020114164	P165BN-E	XX004814347	Y
SGP 165-E	1,725l @ 180 ppm	3.8	•	•	VH3-BSPT	70020114164	P165-E	XX004814354	N
SGP 195BN-E	3,800l @ 180 ppm	3.8	•	•	VH3-BSPT	70020114164	P195BN-E	XX004814321	Y
SGP 195-E	2,850l @ 180 ppm	3.8	•	•	VH3-BSPT	70020114164	P195-E	XX004814319	N
Digital Flow Meter Kit for ScaleGard® Pro								FD000092086	N/A



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Sizing Guide

Incoming hardness all systems			P115			P124BN-E AND P145BN-E			P165BN-E			P195BN-E		
°d	°f	ppm	Litre Throughput Before Changeout	Number of 120ml Cups	Number of 180ml Cups	Litre Throughput Before Changeout	Number of 120ml Cups	Number of 180ml Cups	Litre Throughput Before Changeout	Number of 120ml Cups	Number of 180ml Cups	Litre Throughput Before Changeout	Number of 120ml Cups	Number of 180ml Cups
6	11	110	982	8183	5456	2,618	21,817	14,400	3764	31,364	20,909	6218	51,818	34,545
8	14	140	771	6425	4283	2,057	17,142	11,314	2957	24,643	16,429	4886	40,714	27,143
10	18	180	600	5000	3333	1,600*	13,333*	8,800*	2300*	19,167*	12,778*	3800*	31,667*	21,111*
12	21	210	514	4283	2856	1,371	11,425	7,543	1971	16,429	10,952	3257	27,143	18,095
14	25	250	432	3600	2400	1,152	9,600	6,336	1656	13,800	9,200	2736	22,800	15,200
16	28	280	386	3217	2145	1,029	8,575	5,657	1479	12,321	8,214	2443	20,357	13,571
18	32	320	338	2817	1878	900	7,500	4,950	1294	10,781	7,188	2138	17,813	11,875
20	36	360	300	2500	1667	800	6,667	4,400	1150	9,583	6,389	1900	15,833	10,556
22	39	390	277	2308	1539	738	6,150	4,100	1062	8,846	5,897	1754	14,615	9,744
24	43	430	251	2092	1394	670	5,583	3,684	963	8,023	5,349	1591	13,256	8,837
26	46	460	235	1958	1306	626	5,217	3,478	900	7,500	5,000	1487	12,391	8,261

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

*For P145-E, P165-E, P195-E capacity 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. Head comes with integral mounting bracket. Maximum operating pressure is 125psi. Except 145BN-E, P145-E, 165BN-E, P165-E, 195BN-E & P195-E (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. In line with current good practice and EPDWA schedules, filters should be changed every six months. Scheduled maintenance is recommended. 3M cannot be liable for system failures due to improper maintenance.

3M

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