



# ClearScale *Plus* CCP20 - 100



## Physical Water Conditioner

### TECHNICAL SHEET

#### General

**Clearscale *Plus*** is a two stage commercial and industrial physical water conditioning system, suitable for treating potable domestic hot & cold water services

**Clearscale *Plus*** is a combination of magnetic and catalytic treatment systems into a single compact stainless steel housing providing the most complete reaction available for calcium carbonate treatment.

Surface contact of water with treatment components is scientifically proven to create the most complete chemical reaction with CaCO<sub>3</sub>.

**Clearscale *Plus*** can be installed in isolated areas and either vertically or horizontal.

**Clearscale *Plus*'s** will not have a dramatic effect on pressure losses.

Peace of mind for customers, no electrical connections or power requirements are required and there are no mechanical parts that are subject to breakdown. Once **Clearscale *Plus*** is installed users can expect many years of conditioning in their system.

As there is no power, moving parts or external influences, there is nothing to cause the unit to fail. This means that the unit does not need to be connected to a BMS system as there is no danger of it going off line, if the water is flowing the unit is working.

#### About Culligan

For over seventy years Culligan has led the way in water treatment technology supplying our customers with safe high quality water for drinking, cooking, cleaning, bathing and manufacturing, from the smallest to the largest applications, commercial and industrial market sectors.

The Culligan products and technology used in these applications represent an ongoing commitment to delivering the very best water treatment solutions for our customers. As a result of continuous development and review, the Culligan range is one of the most comprehensive available within the market today.

#### Features and Benefits of Clearscale *Plus*

Features	Benefits
Permanent Magnetic Field	Consistant Conditioning
No Electrical Supply	Constantly Operational
Horizontal or Vertical orientation	Ease of Installation
WRAS Approved	Meets water supply regulations
No Moving Parts	No need for commissioning or servicing
Two synergistic conditioning methods	Superior water conditioning
Turbulent flow resistant	Can be installed before or after a pump booster set.



## TECHNICAL SPECIFICATIONS

<b>ClearScale Plus</b>		CCP20	CCP25	CCP35	CCP40	CCP50	CCP65	CCP80	CCP100
Flow Rate	M <sup>3</sup> /Hr	3.6	6.2	10.1	15.9	30.7	51.8	74.6	110
	L/Sec	1.0	1.72	2.8	4.41	8.5	14.3	20.72	30.55
Nominal Bore Size		DN20	DN25	DN35	DN40	DN50	DN65	DN80	DN100
Connection Size		¾" bsp	1" bsp	1.25" bsp	1.5" bsp	DN50 (PN16)	DN65 (PN16)	DN80 (PN16)	DN100 (PN16)
Pressure Drop (bar)		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Max Pressure (bar)		16	16	16	16	16	16	16	16
Max Temperature (Flanged connection)		120°c	120°c	120°c	120°c	120°c	120°c	120°c	120°c
Length mm		600	600	800	800	800	1000	1000	1000
Outside Body Diameter mm		48	48	48	73	114	114	141	168
Flanged Diameter mm		N/A	N/A	N/A	N/A	165	185	200	220
Weight Kg		2	2.5	3	8	12	18	29	51
Material*		304-SS	304-SS	304-SS	304-SS	304-SS	304-SS	304-SS	304-SS

\* 316 Grade Stainless Steel available on request – contact sales team for details

### Service Conditions

Max working pressure: 16Bar

Temperature range: -10 to 120°C

Insulation will be required for below 0°C

### Flange Connections

BS4504 PN16 SS 304

