

# TECHNICAL DATASHEET



The Homescale Protect Industry is a commercial scale reducer, making commercial appliances more efficient and longer lasting.

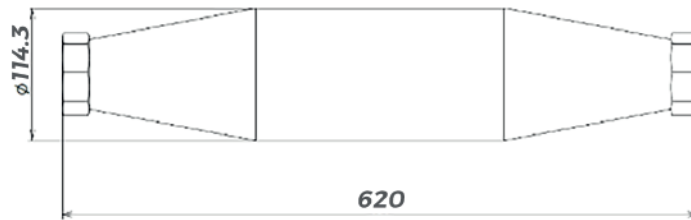
## SPECIFICATION

- IAPMO certified efficiency of 76.3% and certified as a lead free plumbing product according to NSF/ANSI 372.
- NRL certificate for direct permanent contact with drinking water.
- New patented technology TGP - Turbulent-Galvano Polarisation.
- WRAS approved.
- Safe product - verified hydraulic properties.
- TUS test report about pressure drop, pressure resistance and strength.
- Health safety product – each part of IPS is made from material suitable for contact with drinking water.

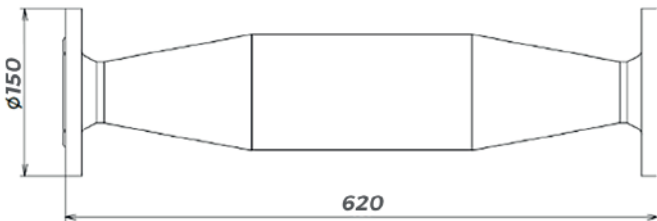


# TECHNICAL INFORMATION

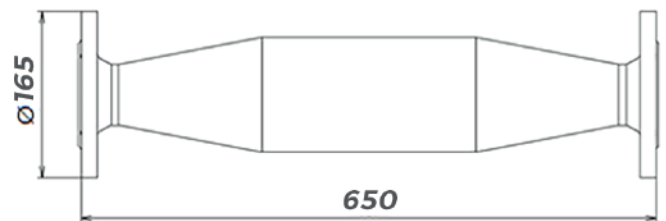
## IPSINRDN40 / IPSINRDN50



## IPSINRDN40P



## IPSINRDN50P

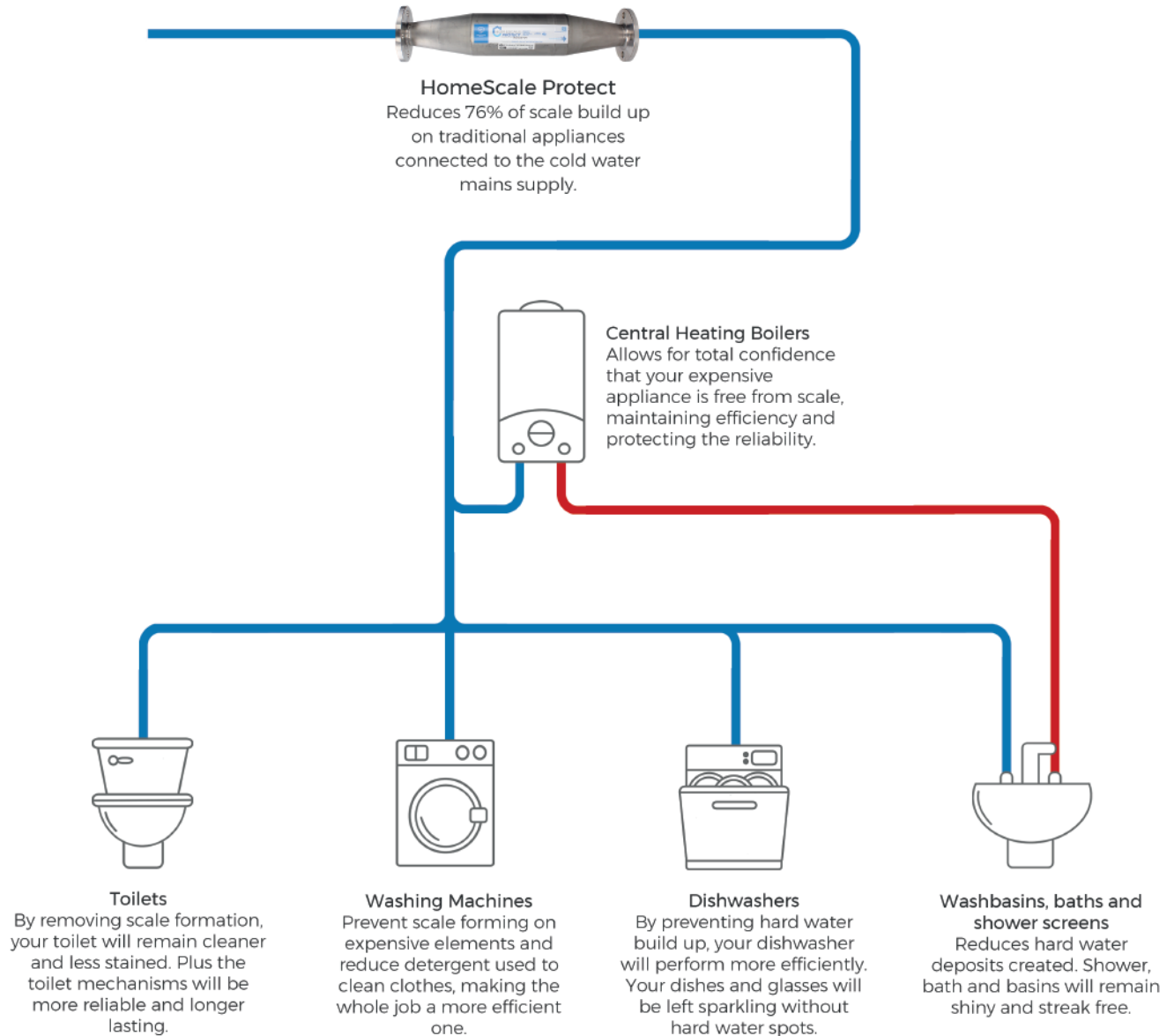


MPN	Model	Connection Female	Length	Weight	Max Pressure Bar	Max Flow Rate
IPSINRDN40	HomeScale Protect	1 1/2" Thread	620mm	5kg	10	8m <sup>3</sup> /hour
IPSINRDN50	HomeScale Protect	2" Thread	620mm	5kg	10	12m <sup>3</sup> /hour
IPSINRDN40P	HomeScale Protect	DN40 Flange	620mm	8.5kg	10	8m <sup>3</sup> /hour
IPSINRDN50P	HomeScale Protect	DN05 Flange	650mm	10kg	10	12m <sup>3</sup> /hour



# INSTALLATION DIAGRAMS

## HOMESCALE PROTECT WITH A COMBINATION BOILER

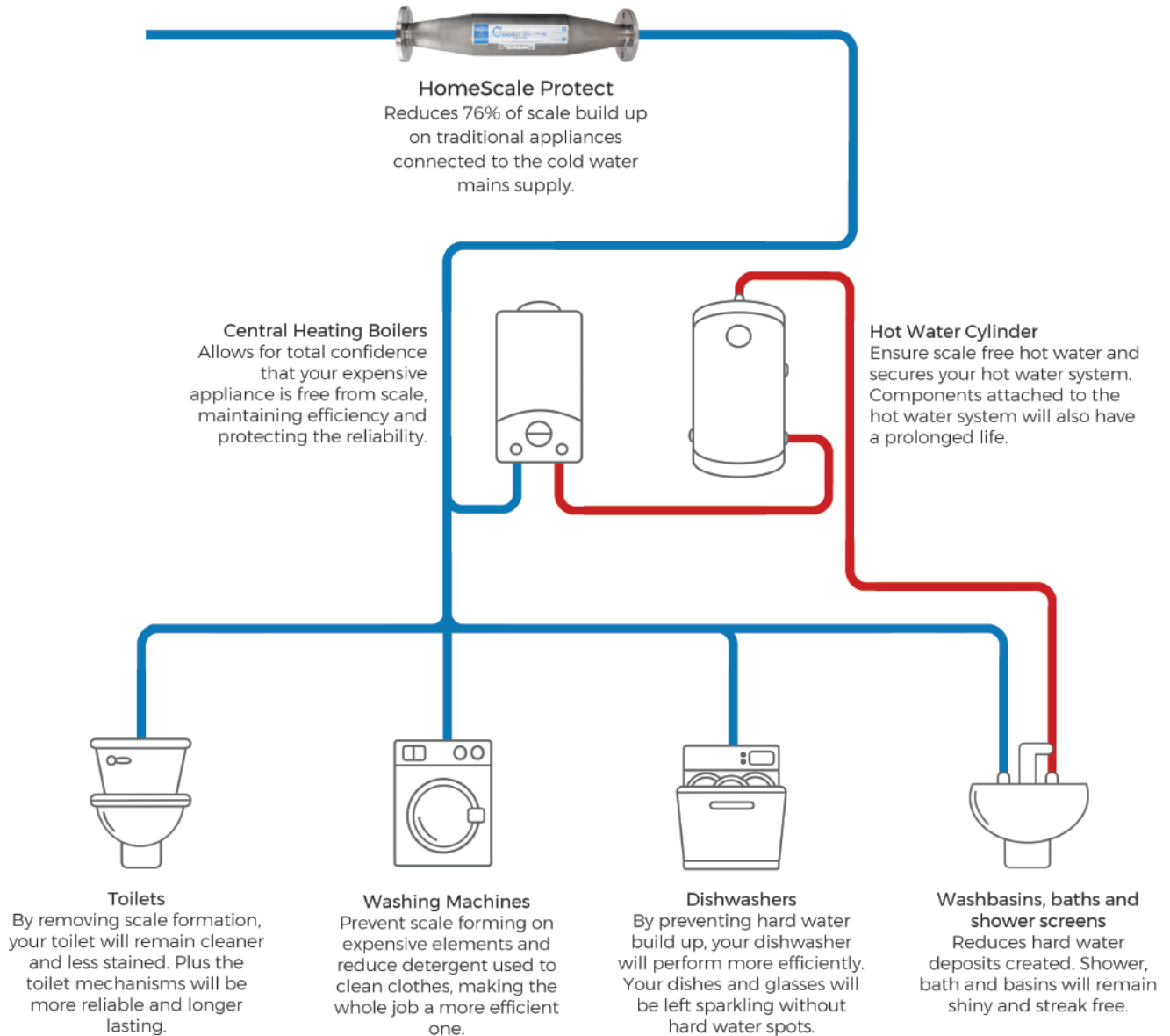


\*Diagrams are a representation and not necessarily correct.



# INSTALLATION DIAGRAMS

## HOMESCALE PROTECT WITH A SYSTEM OR CONVENTIONAL BOILER

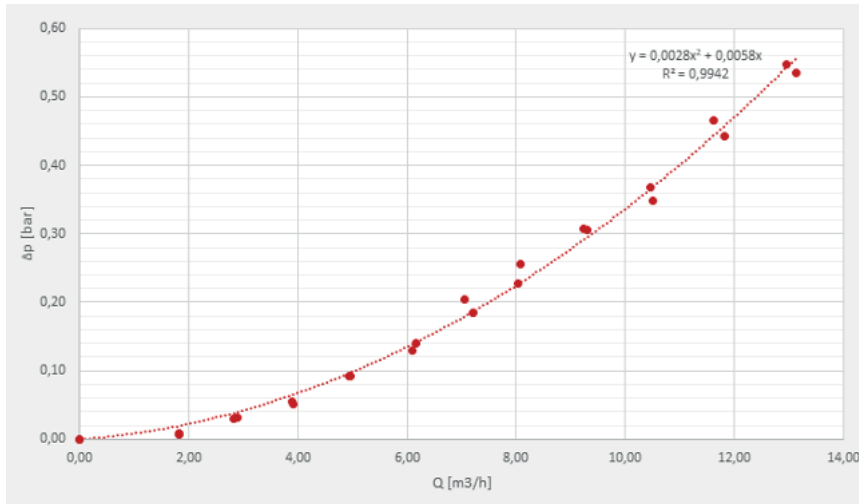


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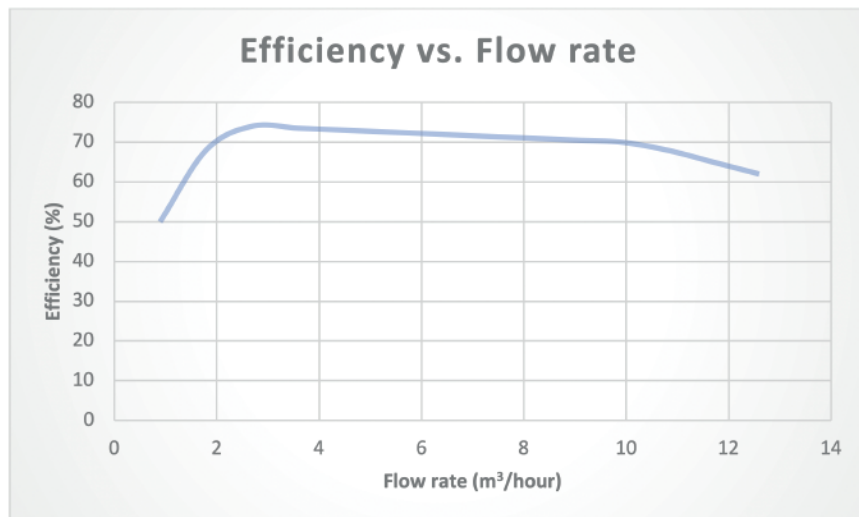
# MORE INFORMATION

## PRESSURE DROP RATE



Q [m <sup>3</sup> /h]	0	1	2	3	4	5	6	7	8	9	10	11	12	13
Δp [bar]	0	0,009	0,023	0,043	0,068	0,099	0,136	0,178	0,226	0,279	0,338	0,403	0,473	0,549

## EFFICIENCY VS. FLOW RATE



# MORE INFORMATION

## EFFICIENCY VS. TIME



## EFFICIENCY VS. TEMPERATURE

