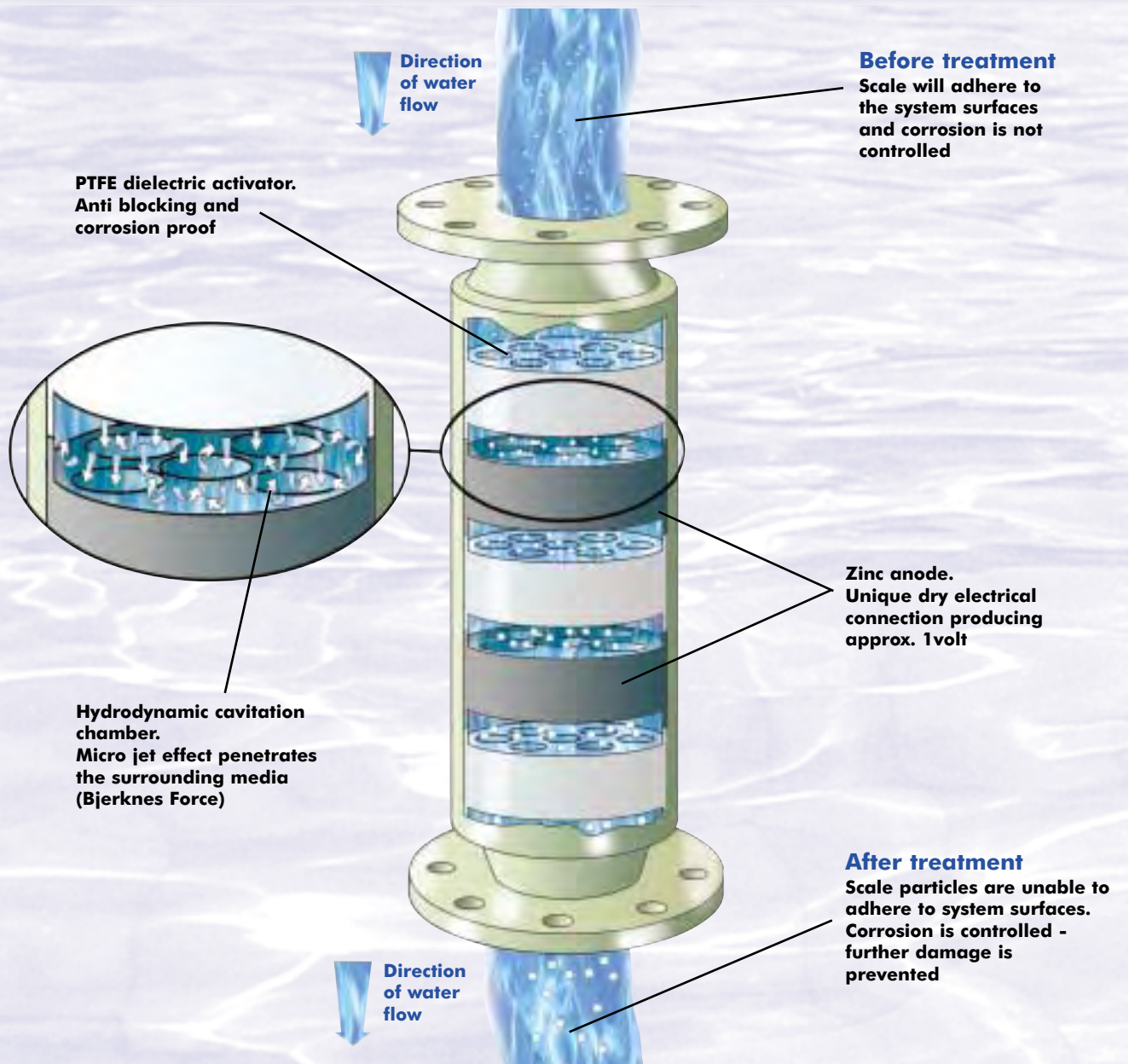


SCALE-BUSTER®

ISB® Technology - Industrial Range

Scale-Buster: an electro-static and cavitation process with galvanic action



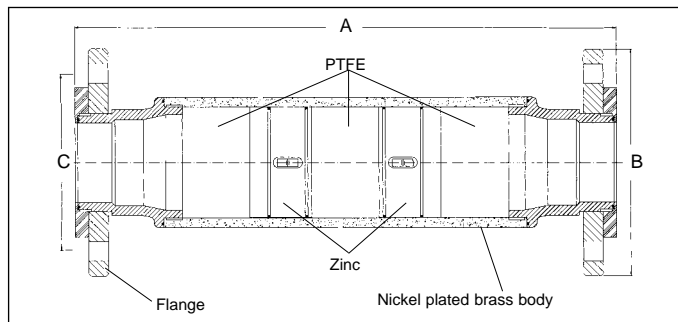
- Self cleaning and maintenance free
- Prevents and removes scale and corrosion
 - Handles total water systems
 - Suitable for hard and soft water
- Operates without the use of chemicals, magnets or electricity



Industrial Range

MODEL	PIPE SIZE		O/A LENGTH-A mm	FLANGE DIA-B mm	BOLT CIRCLE DIA-C mm	NETT WEIGHT kg
	mm	in				
ISB SF 65	65	2.5	445	185	145 (4 @ 18)	17
ISB SF 75	75	3	445	200	160 (8 @ 18)	27
ISB SF 100	100	4	445	220	180 (8 @ 18)	39
ISB SF 125	125	5	445	250	210 (8 @ 18)	53
ISB SF 150	150	6	520	285	240 (8 @ 22)	83
ISB SF 200	200	8	520	340	295 (8 @ 22)	120

* Number of bolt holes and diameter. ISO Spec. 7005.3 - PN 16



General information about Scale-Buster

FLOW RATES

Optimal flow rates range between 1 to 2 metres per second and therefore performance is not sensitive to fluctuation in rate of flow or variable water pressures. The body is specifically constructed to compensate for such irregularities. **It is recommended that a unit is selected to match the flow rate** as opposed to pipe size.

INSTALLATION

Where water quality is poor, it is recommended that the product be installed vertically to avoid build up of debris. Scale-Buster is designed for use in potable water supplies and apart from certain instances, such as central heating and cooling towers, is best installed in the cold water feed supply lines. Earthing is important to the performance of ScaleBuster (see details on back cover).

PIPE SIZES

Our full range of Scale-Buster models ranges from 1/2in (15mm) to 8in (200mm) Sizes outside these models can be produced subject to discussion.

SPECIALS

Units required for conditions exceeding those stated above, please contact distributor.

WARRANTY

There is a 5 year manufacturer's warranty. For full conditions contact distributor.

BODY MATERIAL

Industrial range

Flanged units are rated at a maximum working pressure of 16 bar (40 bar pressure models are available - details on request)

Body and flanges: Nickel plated brass/phosphur bronze to Defence Standard 035 finish.

Commercial and Low Flow range

Rated at max. 16 bar working pressure. Constructed of: Brass BS 2874

CZ121; Zinc BS 6561; Polytetrafluoroethylene (PTFE) DEF standard AQAP4 MOD approval.

SPECIAL NOTE

When used in non-potable water applications or in a processing function it may be necessary to have an inline filter prior to Scale-Buster and sensitive equipment.

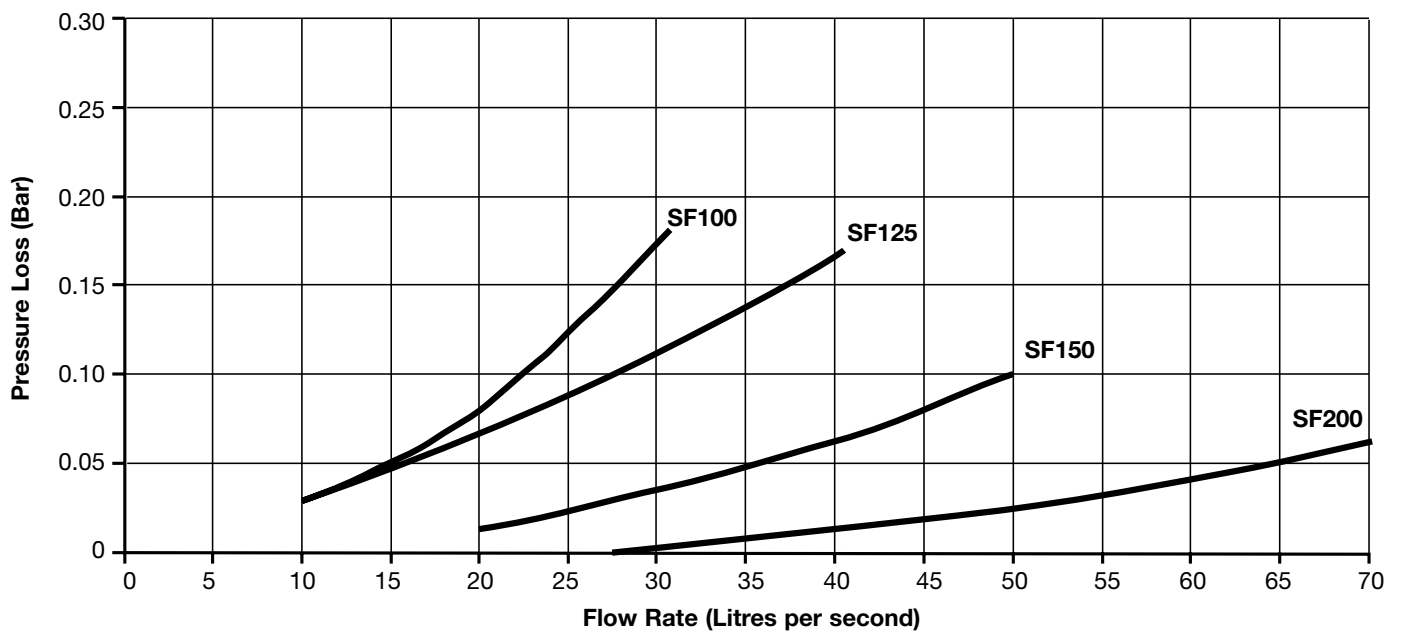
*Designed and manufactured in UK by Ion Enterprise Ltd.
Scale-Buster Patent EUR 949047/12.0. Quality ISO 9001:2000 ISOQAR Certificate No. 1185/96
The manufacturer reserves the right to change the specification without prior notice.*

Pressure Loss Statistics

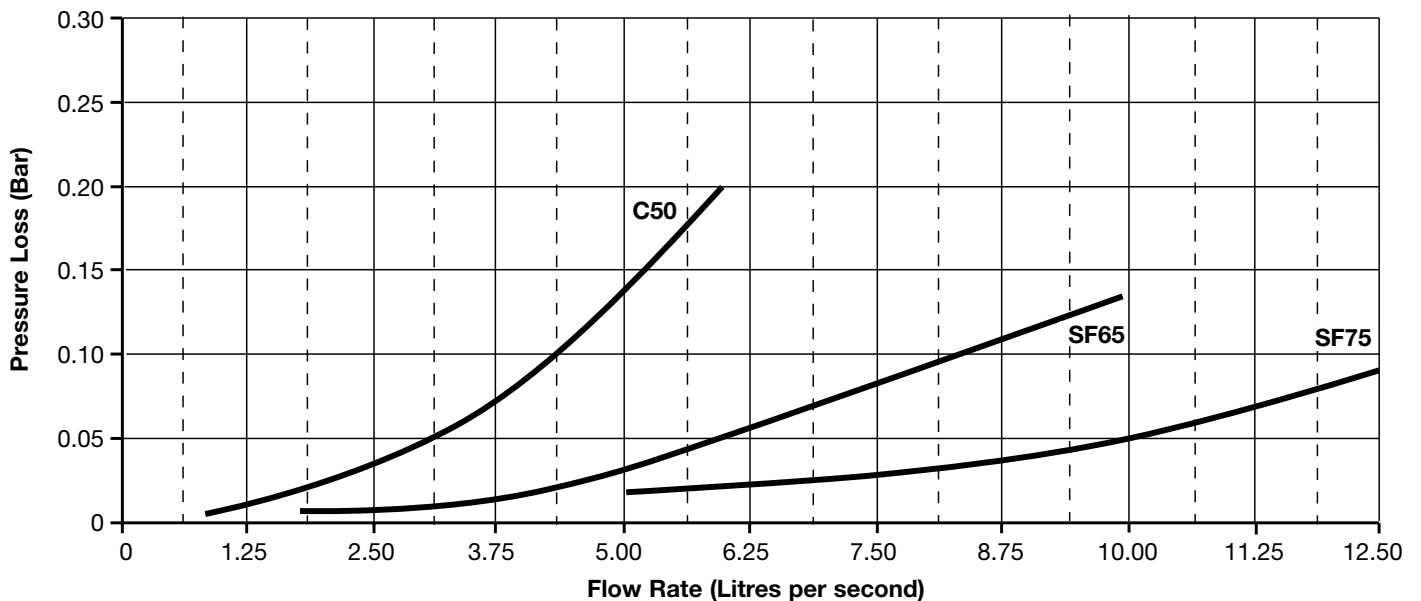
Metric/imperial comparison chart

1.0 bar	10.0 m	1000 cm	100 kpa	33.00 ft	396.00 in
0.1 bar	1.0 m	100 cm	10 kpa	3.30 ft	39.60 in
0.01bar	0.1 m	10 cm	1 kpa	0.33 ft	3.96 in

Industrial Range



Industrial/Commercial Range



How to size Scale-Buster

- a) Calculate maximum flow rates as per normal procedures - (peak demand)
- b) Estimate likely average flow rate demand
- c) Initially size on b), then calculate pressure loss at peak demand a). If pressure loss (at peak demand) is acceptable you have correctly sized Scale-Buster
- d) If peak demand has too high a pressure loss then increase one pipe size until correct balance is achieved.

Recommended Flow Rates

Based on 1 to 2 metres per second mean average velocity.

For short time periods a flow rate up to 3 metres per second is acceptable.

For pipe sizes below 2.5 inches, please see Commercial info document.

Industrial Range		
MODEL	SIZE in	FLOW RATE litres per second
ISB SF 65	2½	3.25 - 6.50
ISB SF 75	3	4.50 - 9.00
ISB SF100	4	8.00 - 16.00
ISB SF125	5	12.50 - 25.00
ISB SF 150	6	17.00 - 34.00
ISB SF 200	8	34.00 - 68.00