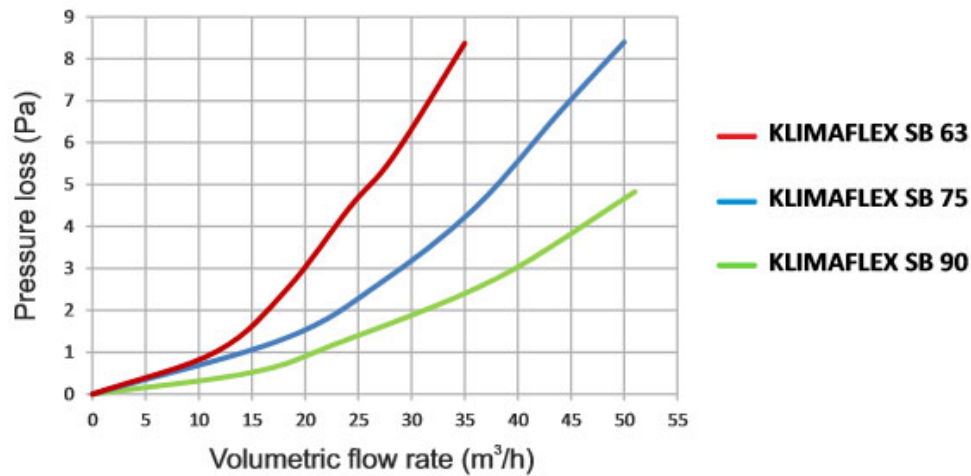


Pressure loss diagram / 1m



KLIMAFLEX SB SAP Appendix Q Certified

The **KLIMAFLEX SB** semi-rigid radial system has been tested by the BRE (Building Research Establishment) and is registered on the SAP Appendix Q Register.

The below test results indicate that under the BRE testing conditions, the **KLIMAFLEX SB** system performed to an equal or better standard than that of the traditional rigid “tee’d” ducting system.

Copies of certification can be provided on request.

Normalised comparative results at minimum flow rate condition. SAP 2013 air flow rates. Single duct on all supply legs. Single duct on all extract legs.

Exhaust terminal configuration	Fan speed setting	Total flow supply rate (l/s)	Total exhaust flow rate (l/s)	Specific fan power Rigid duct (normalised)	Specific fan power Semi-Rigid duct (comparative)
Kitchen + 1 additional wet room	100% variable	21.0	21.0	1.0	Equal
Kitchen + 2 additional wet rooms	100% variable	29.0	29.0	1.0	Better
Kitchen + 3 additional wet rooms	100% variable	37.0	37.0	1.0	Better
Kitchen + 4 additional wet rooms	100% variable	45.0	45.0	1.0	Better
Kitchen + 5 additional wet rooms	100% variable	53.0	53.0	1.0	Better

Material

- Outer wall made from PE-HD.
- Inner wall made from PE-LD + antibacterial and antifungal additive (\varnothing 63mm) or from PE-HD + antibacterial and antifungal additive (\varnothing 75 – 200mm).



- The KL ([flat](#)) and RT ([direct](#)) types of distribution boxes ([KLIMAFLEX SB](#) semi-rigid radial [Air Duct Accessories](#)) are standardly equipped with an **Ultra-Fresh**[®], antibacterial internal insulation layer, which effectively acts against unwanted bacteria and fungi.

Ducts colours

- Outer wall – blue or green.
- Inner wall – grey or white.

Temperature resistance

- Installation temperature: of -5°C to +50°C
- Operation temperature: of -20°C to +50°C
- Storage temperature: of -40°C to +60°C

Packaging

- Individual rolls wrapped in protective PE.

Handling

- The low weight of **KLIMAFLEX SB** semi-rigid radial ducts makes them easy to transport and simple to install.

Transport

- When loading and unloading the pipes, it is essential to prevent any mechanical damage or distortion of the semi-rigid radial ducts.

Storage

- Rolls must be stored in a horizontal position up to a max. height of 2m and only for the shortest time necessary, maximum 3 months.
- The ducts must be kept out of direct sunlight.