

SLIMFLANGE

SIZE-FOR-SIZE CONNECTIONS

Full end load performance without compromise

GPS SlimFlange is a unique and patented steel reinforced PE flange adaptor. The reinforcement hoop buried in the flange face means the backing ring bolt circle diameter can be reduced by a nominal size as compared to backing rings of conventional PE flanges attached to the same PE pipe size. There is no need to upsize pumps and valves connected to SlimFlange, leading to considerable whole system cost savings.

Size-for-size capability is not achieved by temporary PE bore reduction, which would weaken the fitting and increase the potential for blockage.

The compact and strong design of SlimFlange results in significantly reduced weight and also provides for enhanced gasket sealing performance.

SlimFlange is a fully end-load-bearing fitting in SDR17/17.6 form or higher and, under tensile loading, the pipe will yield well before the SlimFlange.



Features and benefits

- Reduced installation costs
- Cost saving via size-for-size valve or other metal fitting, no upsizing required
- Easier handling and installation due to reduced size and weight
- Full flow capacity maintained
- Improved long-term security against leaks
- Full end load performance without compromise
- Pipeline pigging made easier
- Smooth bore maintained, vital in pumped sewage applications

Approvals

GPS SlimFlange* is manufactured and tested in accordance with the following specifications:

Gas Industry specification:

GIS/PL2:Part 6 and GIS/PL3 Class B for sizes up to and including 355mm x 300mm

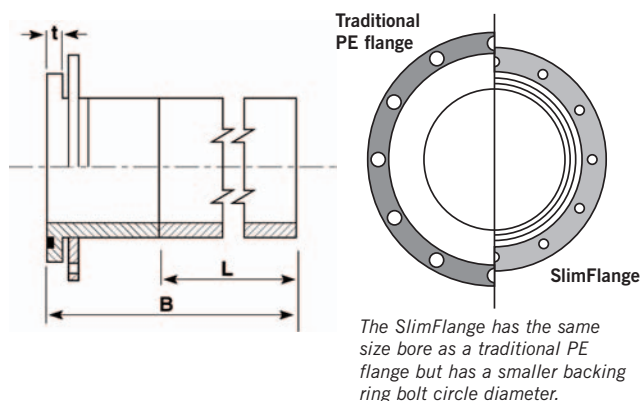
Water Industry specification:

WIS 4.24.01 (Type 1 at SDR17 and above) and WIS 4.32.15.

*European Patent No 0441619B1

Size mm	L mm	B mm	t mm	weight kg	SDR11 Code	t mm	weight kg	SDR17.6*/17 Code
250 x 200PN16	500	610	31	9	XX 453 321	27	8	XX 452 321
315 x 250PN16	500	610	-	-	-	30	12	XX 452 323
355 x 300PN16	500	610	40	21	XX 453 324	35	19	XX 452 324
400 x 350PN16	500	610	44	31	XX 453 325	38	29	XX 452 325
450 x 400PN16	500	610	49	38	XX 453 326	42	35	XX 452 326
500 x 450PN16	500	610	53	47	XX 453 327	45	43	XX 452 327
560 x 500PN16	500	610	59	58	XX 453 328	50	53	XX 452 328

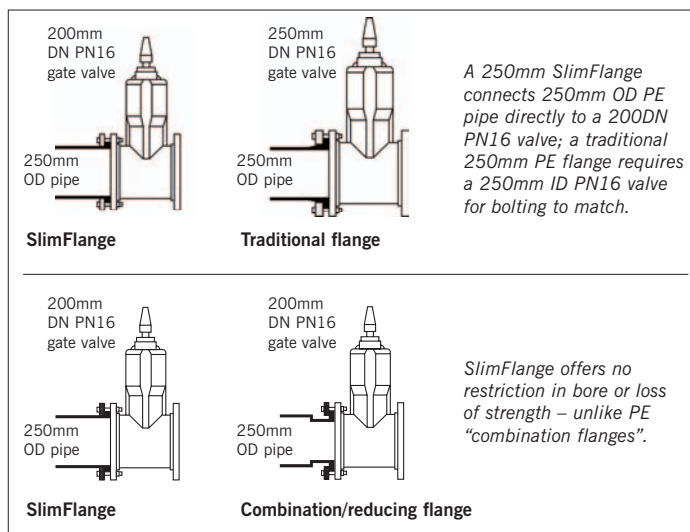
* SDR17.6 available in Yellow only. Weight and Dimensions include a 500mm pup.
Other SDRs and bolting configurations available.



PE Types

PE Colour	PE80	PE100 (Excel)
Black	50	40
Blue	51	41
Yellow	58	-

Replace XX with range code of material/colour required.



The SlimFlange is a unique product and allows size-for-size connection of a PE pipeline to a metal flange without loss of nominal bore. It is only sold as an assembly. Bolt kits are not supplied in the assembly. However, it is recommended that, to achieve the best performance, bolt kits with washers of type form A (normal range) as per BS4320 are used. For other SDRs and drillings please contact our technical support department.

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