upg PIPE SYSTEMS

REINERT-RITZ



VP Flanges Data Sheet

Ultimate Solutions.
Intelligent Delivery.

VP FLANGE

VP flanges combine proven special flange technology with design innovations that reduce installation complexity and cost. The PE100 welding neck collar pairs with a stainless steel AS4087 PN16 flange. Slotted holes in the collar enable easier assembly and alignment. The integrated spring effect maintains permanent bolt pretensioning after tightening. The result is lower installation effort, reduced project costs, and reliable performance at the same nominal diameter as your fittings.

Reinert-Ritz can also provide torque calculations for your application and provide a manufacturer-backed flange connection, removing risk from an area of pipeline design that is often the most problematic in PE pipelines.

The specialist and rated connection for valve connections and transition to steel/cast flanges.

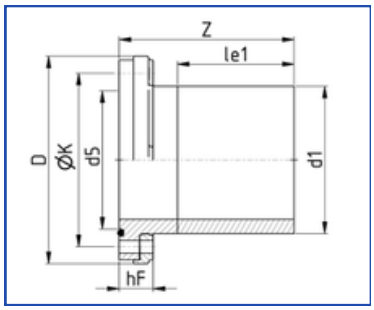
Specifications	Details
Collar materials	PE100 welding spigot
Backing flange material	Stainless Steel 316
Hole pattern	AS4087 PN16 (other patterns on request)
Collar holes	Slotted holes for perfect alignment
Spring function	Integrated disc spring maintains bolt pretensioning
Intergrated seal	EPDM O-ring
Welding methods	Butt fusion or Electrofusion
Pressure capacity	Full pressure load capacity
Connection type	Positive engagement; flange supports collar from outside
Weight	Low weight reduces installation effort
Optional versions	Flat sealing without groove and O-ring - you then use a gasket
Standards	DIN EN 12201, DIN EN 1092–1, DVS 2207, DVS 2210, DIN EN 10204, DIN EN ISO 9001, DIN EN ISO 50001, DVGW W 400–2, DVGW GW 335, AS4087 PN16
Approvals/certificates	DVGW: DV-8606BT0423 and DV-8611BT0424; DIN EN 10204 inspection certificate 3.1 on semi-finished product with MFR and OIT; PE100 material per PE100+ Association
Manufacturing	PE100+ Association compliant; DIN EN ISO 9001 quality assurance; single-piece homogeneous injection-moulded PE bodies; DIN EN 10204 certificates included; manufacturer certified to ISO 9001:2015 and ISO 50001:2011

SPECIAL FLANGE VP, PN 16 DRILLED , SDR 11

- Including EPDM O-ring
- Flange ring made of high-strength plastic with Belleville spring effect for screw preload
- Slotted holes for optimum alignment
- Long welding end, suitable for electrofusion socket welding

Optional: flat sealing surface without groove and o-ring NBR-O-Ring
Application: for direct connection to valves according to nominal diameter (DN)





Flange: AS/NZS 1592.1 equivalent, PN 10

DVGW:
DN 80–DN 150: DV-8606BT0423
DN 200–DN 350: DV-8611BT0424

Tolerances:
Z, 1_{e1}: DN 80 - DN 200: +20 mm
DN 250 - DN 350: +30 mm

SDR	>41	33	26	>41	21	17.6	17	13.6	11	9	7.4	6	>5

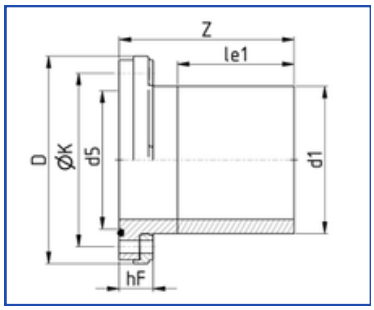
Product code	DN	d_1	d_5	l_{e1}	ØK	n x ØL	Bolts	D	h_F	Z
RRSFVP-110-11-80SS	80	110	105	200	160	8x18	M16	211	50	300
RRSFVP-140-11-100SS	100	140	132	200	180	8x18	M16	232	47	280
RRSFVP-160-11-125SS	125	160	157	200	210	8x18	M16	262	47	300
RRSFVP-180-11-125SS	125	180	157	200	210	8x18	M16	262	47	315
RRSFVP-200-11-150SS	150	200	183	200	240	8x22	M20	297	54	300
RRSFVP-250-11-200SS	200	250	235	200	295	8x22	M20	353	58	300
RRSFVP-315-11-250SS	250	315	291	200	350	12x22	M20	408	65	330
RRSFVP-355-11-300SS	300	355	330	200	400	12x22	M20	460	75	310
RRSFVP-400-11-350SS	350	400	393	300	460	16x22	M20	519	84	420

SPECIAL FLANGE VP, PN 10 DRILLED , SDR 17

- Including EPDM O-ring
- Flange ring made of high-strength plastic with Belleville spring effect for screw preload
- Slotted holes for optimum alignment
- Long welding end, suitable for electrofusion socket welding

Optional: flat sealing surface without groove and o-ring NBR-O-Ring
Application: for direct connection to valves according to nominal diameter (DN)





Flange: AS/NZS 1592.1 equivalent, PN 10

DVGW:
DN 80–DN 150: DV-8606BT0423
DN 200–DN 350: DV-8611BT0424

Tolerances:
Z, 1_{e1}: DN 80 - DN 200: +20 mm
DN 250 - DN 350: +30 mm

SDR	>41	33	26	>41	21	17.6	17	13.6	11	9	7.4	6	>5

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RRSFVP-355-17-300SS	300	355	330	200	400	12x22	M20	460	65	300
RRSFVP-400-17-350SS	350	400	393	300	460	16x22	M20	519	74	410

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