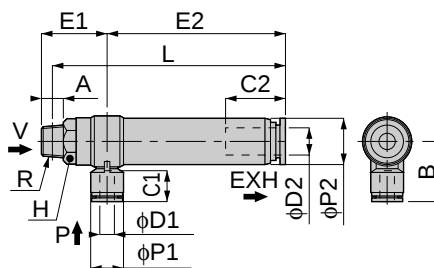


VRL

Straight B



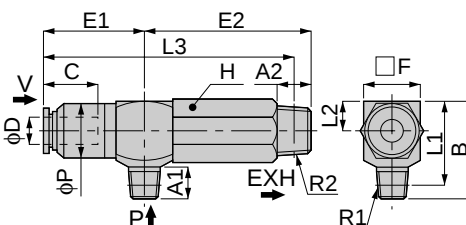
unit:mm

Model	Tube dia. φD1	Tube dia. φD2	R	A	B	L	φP1	φP2	C1	C2	E1	E2	H	*1 (mm)	*2 (-KPa)	*3 (Nℓ/min)	*4 (mm)	*5 (Nℓ/min)	Mass (g)
VRL 50-010608	6	8	R1/8	8	25	74	12.5	16	16.5	17.5	23	55	14	3	53	50	2.3	50	52
VRL 50-010808	8				28.5	73	14.5		17.5	17.5	22								53.5
VRL 100-020812	8	12	R1/4	11	29	100	14.5	20	17.5	23.5	29.5	76.5	17	4	53	100	3.6	100	105
VRL 100-021012	10				31.5	100	17.5		20	23.5	29.5								108
VRL 200-031016	10	16	R3/8	12	34	103	17.5	25	20	25	35	74.5	22	6	53	200	5.5	200	194
VRL 200-041016			R1/2	15		104.5					38		24						208
VRL 300-031016	10	16	R3/8	12	34	103	17.5	25	20	25	35	74.5	22	7.5	53	300	7	300	183.5
VRL 300-041016			R1/2	15		104.5					38		24						197.5

*1 Nozzle dia. *2 Final vacuum *3 Suction flow *4 Works max. dia. *5 Air consumption.

VRL

Straight C



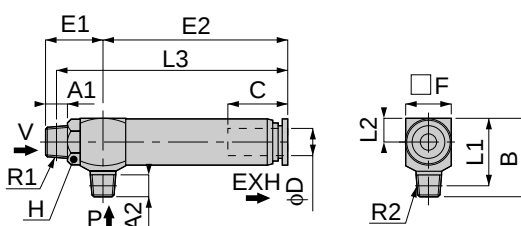
unit:mm

Model	Tube dia. φD	R1	R2	A1	A2	B	L1	L2	L3	φP	C	E1	E2	H	□F	*1 (mm)	*2 (-KPa)	*3 (Nℓ/min)	*4 (mm)	*5 (Nℓ/min)	Mass (g)
VRL 50-060101	6	R1/8	R1/8	8	8	28	24	8	61	16	16.5	27	38	14	16	3	53	50	2.3	50	34
VRL 50-080101	8								62		17.5	28									33.5
VRL 100-100202	10	R1/4	R1/4	11	11	35	29	10	83	20	20	34	55	17	20	4	53	100	3.6	100	75
VRL 100-120202	12								84.5		23.5	35.5									76
VRL 200-120204	12	R1/4	R1/2	11	15	42.5	36.5	12.5	105	25	23.5	40	73	24	25	6	53	200	5.5	200	172
VRL 200-160204	16								106.5		25	41.5									173.5
VRL 300-120204	12	R1/4	R1/2	11	15	42.5	36.5	12.5	105	25	23.5	40	73	24	25	7.5	53	300	7	300	161.5
VRL 300-160204	16								106.5		25	41.5									162.5

*1 Nozzle dia. *2 Final vacuum *3 Suction flow *4 Works max. dia. *5 Air consumption.

VRL

Straight D



unit:mm

Model	Tube dia. φD	R1	R2	A1	A2	B	L1	L2	L3	C	E1	E2	H1	□F	*1 (mm)	*2 (-KPa)	*3 (Nℓ/min)	*4 (mm)	*5 (Nℓ/min)	Mass (g)
VRL 50-010108	8	R1/8	R1/8	8	8	28	24	8	74	17.5	21	57	14	16	3	53	50	2.3	50	48.5
VRL 100-020212	12	R1/4	R1/4	11	11	35	29	10	99.5	23.5	27	78.5	17	20	4	53	100	3.6	100	102.5
VRL 200-030216	16	R3/8	R1/4	12	11	42.5	36.5	12.5	103	25	31.5	78	22	25	6	53	200	5.5	200	184.5
VRL 200-040216		R1/2		15					104.5		34.5		24							198.5
VRL 300-030216	16	R3/8	R1/4	12	11	42.5	36.5	12.5	103	25	31.5	78	22	25	7.5	53	300	7	300	173.5
VRL 300-040216		R1/2		15					104.5		34.5		24							187.5

*1 Nozzle dia. *2 Final vacuum *3 Suction flow *4 Works max. dia. *5 Air consumption.