



MATERIAL

Aluminium or zinc-plated steel.

STANDARD EXECUTIONS

- **VRA-MF-A:** aluminium, male-female connection for VVB, VVC, VVD, and VVE vacuum cups.
- **VRA-MF-B:** steel, male-female connection for VVB vacuum cups.
- **VRA-MF-C:** steel, male-female connection for VVB, VVC, VVD, and VVE vacuum cups.
- **VRA-MM-A:** steel, male-male connection for VVB vacuum cups.
- **VRA-MM-B:** steel, male-male connection for VVB, VVC, VVD, and VVE vacuum cups.

FEATURES AND APPLICATIONS

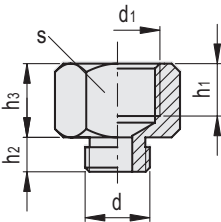
VRA reducers can be used to connect vacuum cups to vacuum cup suspensions with different threadings.

They allow both the change from male to female and the adaptation to GAS, metric or NPT threadings.

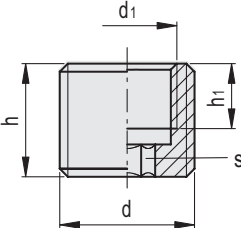
See Technical Data for vacuum cups (on page -).



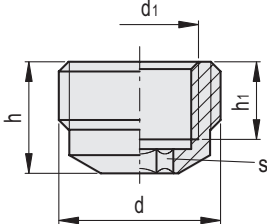
VRA-MF-A



VRA-MF-B



VRA-MF-C



VRA-MF-A

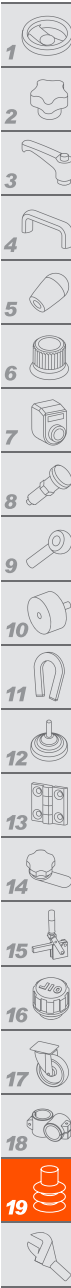
Code	Description	d	d1	h1	h2	h3	s	⚖
VV.60001	VRA-MF-G1/8-G1/4-A	G1/8	G1/4	10	7	14	17	18
VV.60002	VRA-MF-G1/4-G3/8-A	G1/4	G3/8	10	7	15	22	31
VV.60003	VRA-MF-G1/8-1/4NPT-A	G1/4	NPT1/4	12	7	17	17	18
VV.60004	VRA-MF-G1/4-3/8NPT-A	G1/4	NPT3/8	16	7	22	22	31

VRA-MF-B

Code	Description	d	d1	h	h1	s	⚖
VV.60005	VRA-MF-G3/8-G1/4-B	G3/8	G1/4	14	8	6	12

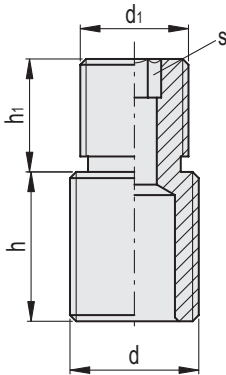
VRA-MF-C

Code	Description	d	d1	h	h1	s	⚖
VV.60006	VRA-MF- G3/8-G1/4-C	G3/8	G1/4	11.5	8	6	6

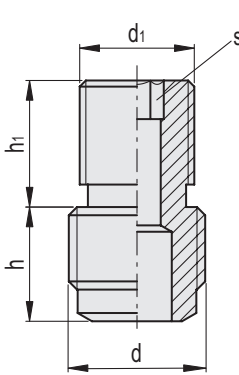


Vacuum components

VRA-MM-A



VRA-MM-B



VRA-MM-A

Code	Description	d	d1	h	h1	s	⚖
VV.67001	VRA-MM-G1/4-G1/4-A	G1/4	G1/4	15	10	6	17
VV.67002	VRA-MM-G1/4-M10-A	G1/4	M10x1.5	15	12	6	11
VV.67003	VRA-MM-G1/4-M14-A	G1/4	M14x1.5	15	12	6	16
VV.67004	VRA-MM-G3/8-G1/4-A	G3/8	G1/4	14	10	6	19
VV.67005	VRA-MM-G3/8-M10-A	G3/8	M10x1.5	14	12	6	17
VV.67006	VRA-MM-G3/8-M14-A	G3/8	M14x1.5	14	12	6	23

VRA-MM-B

Code	Description	d	d1	h	h1	s	⚖
VV.67007	VRA-MM-G1/4-G1/4-B	G1/4	G1/4	11.5	10	6	14
VV.67008	VRA-MM-G1/4-M10-B	G1/4	M10x1.5	13	12	6	11
VV.67009	VRA-MM-G1/4-M14-B	G1/4	M14x1.5	13	12	6	16
VV.67010	VRA-MM-G3/8-G1/4-B	G3/8	G1/4	10.5	11	6	17
VV.67011	VRA-MM-G3/8-M10-B	G3/8	M10x1.5	10.5	13	6	15
VV.67012	VRA-MM-G3/8-M14-B	G3/8	M14x1.5	10.5	13	6	21