

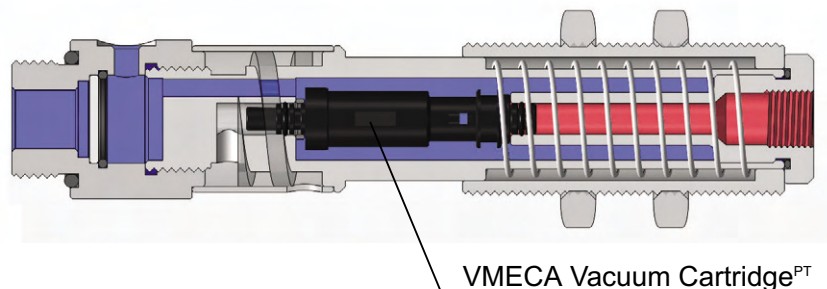
Series VCS 202..

Max. vacuum level	: -90kPa (-26.57 inHg)
Max. flow rate	: 41.3 NI/min (1.45 scfm)
Supply air pressure	: 4~6 bar, max 7 bar (58~87psi, max 101.5psi)
Air consumption	: 416 NI/min (14.6 scfm)
Supply air type	: Dry compressed air
Working temperature	: -20°C ~ +80°C
Noise level	: 55~65 dBA



Main advantages

- VMECA Cartridge^{PT} with silencer built into level compensator.
- High operational reliability despite fluctuating or low compressed-air pressure.
- Low air consumption (Save energy)
- Compensate for differences in height on the surface of the material.
- VMECA Vacuum Cartridge mounted close to work (Fast response time).
- Very Compact size.
- Easily mountable and interchangeable vacuum cartridge.



Order No.

VCS 202 - 18M 20

①

②

① Thread

- 18M - G1/8" Male
- 38M - G3/8" Male
- 12M - G1/2" Male

② Stroke

- 20 - 20mm

Performance Data

Vacuum flow, NI/m, at different vacuum level -kPa

MAX. Vacuum (-kPa)	Feed pressure (MPa)	0	10	20	30	40	50	60	70	80	90
50	0.17	35	25.4	12.8	8.3	4	-	-	-	-	-
65	0.22	38.8	29.5	17	11.5	8	5.2	1.4	-	-	-
90	0.314	41.3	36.9	26	15.8	11	8.9	6.6	3.9	2	-
85	0.4	40	42.7	31	23	14.1	7.6	6.4	3.9	1.3	-

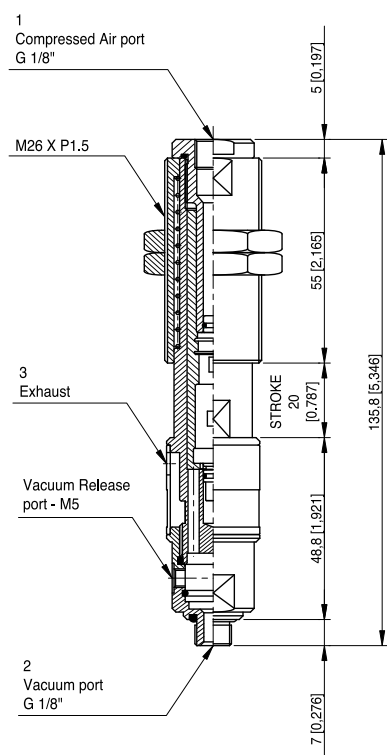
Time, s/l, to evacuate a volume to different vacuum level -kPa

Feed pressure (MPa)	Air consumption (NI/m)	10	20	30	40	50	60	70	80	90
0.17	17	0.26	0.59	1.29	2.56	-	-	-	-	-
0.22	20	0.18	0.48	0.95	1.55	2	2.5	-	-	-
0.314	26	0.15	0.37	0.61	1.5	1.5	2	3.8	6.2	-
0.4	32	0.14	0.39	0.59	0.9	1.2	1.8	3.2	6.9	-

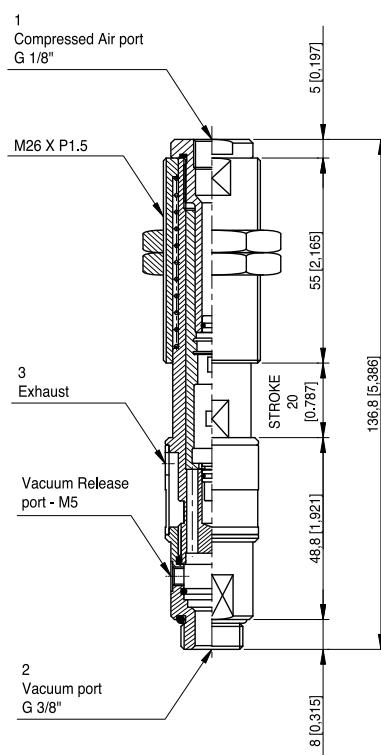
Dimensional information

VACUUM SPEEDER

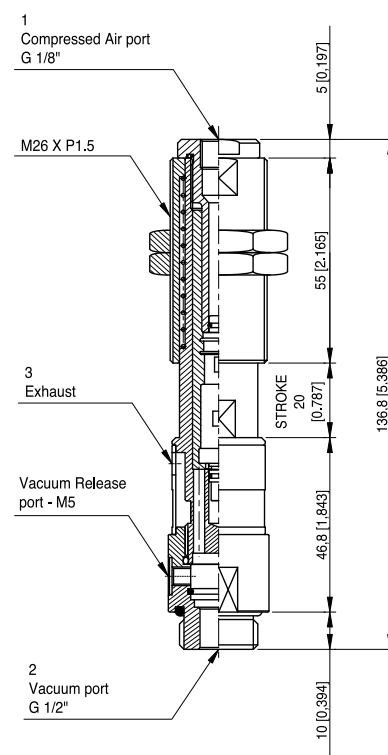
▼ VCS202-18M20



▼ VCS202-38M20



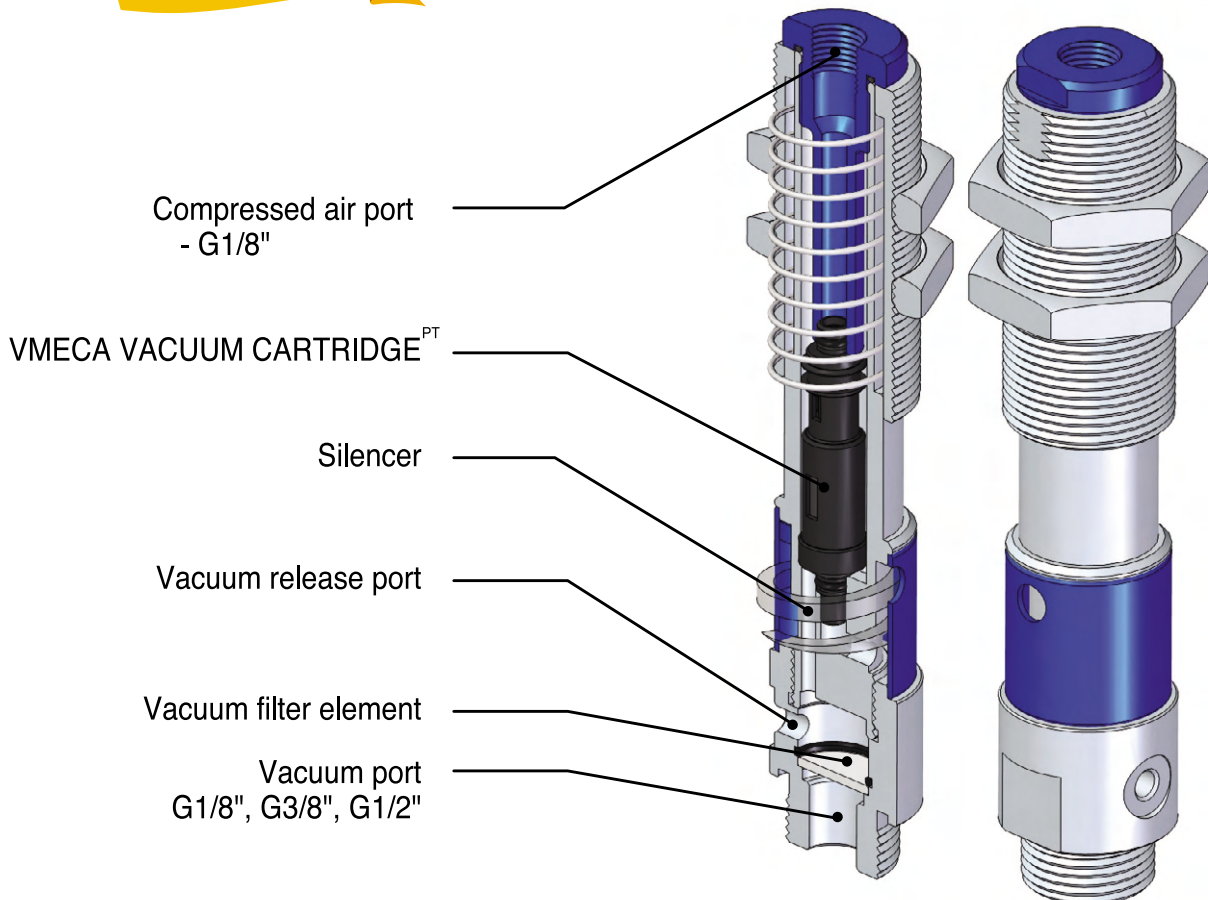
▼ VCS202-12M20



Measure unit : mm [inch]

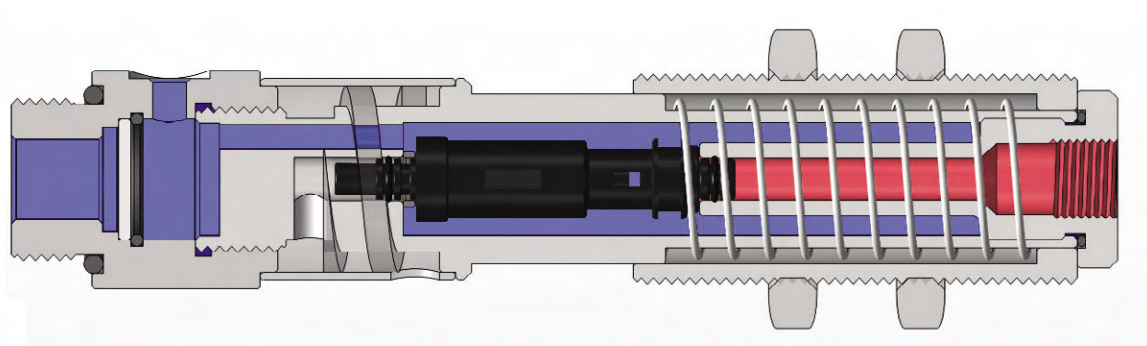
Constructions

**PATENT &
PATENT PENDING**



Features

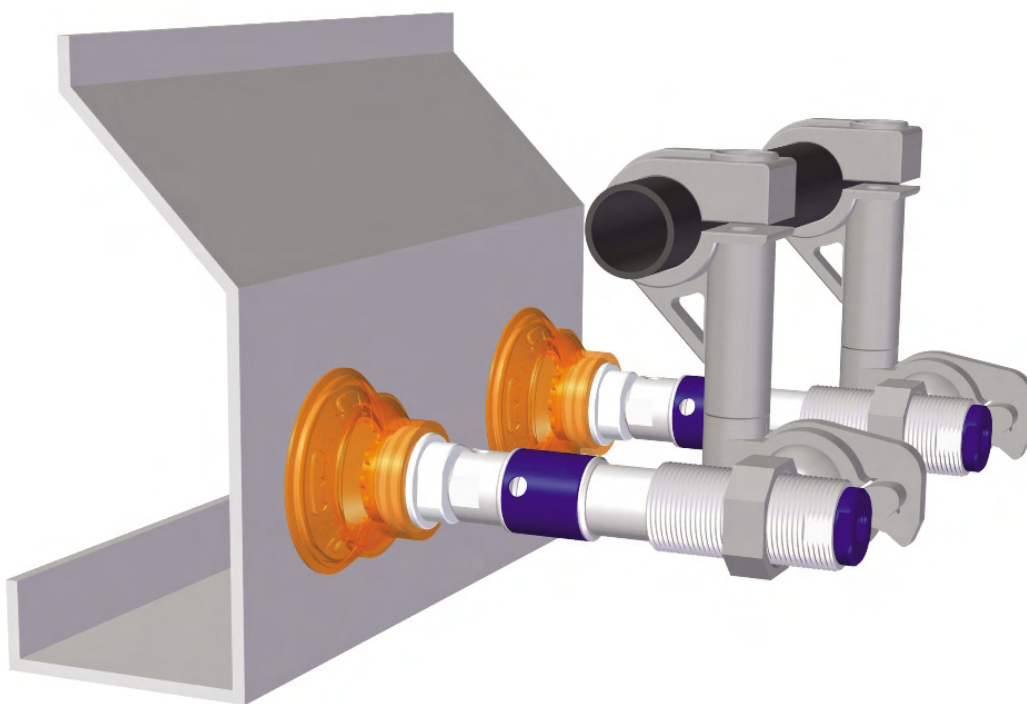
- VMECA Vacuum speeder operates at 3~6bar(43.5~87 psi) air pressure and maintains vacuum -90 kPa (-26.5 inHg) in low pressure of fluctuating pressure situations.
- Extremely fast response (increased speed).
- VMECA Vacuum cartridge^{PT} with silencer built into the body of a level compensator.
- Small size and easy to mount.
- Low energy consumption and noise level.
- No maintenance expected or required.



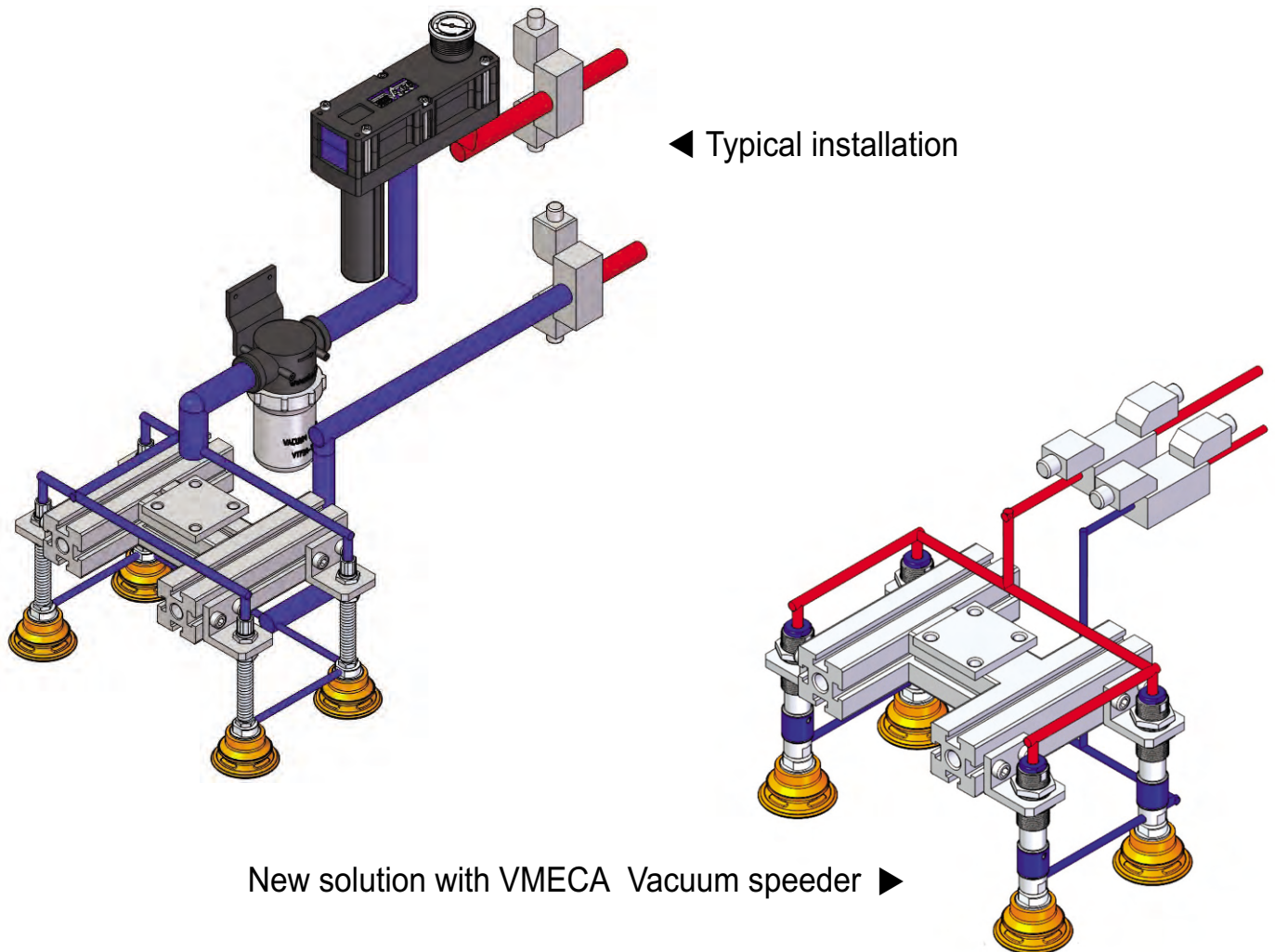
■ Vacuum Zone

■ Compressed-air feed zone

The vacuum cartridge is built into the body of the level compensator. System plumbing is virtually eliminated and vacuum is created directly at the point of use. Quicker response and faster cycle times with minimum compressed air usage are the result. Additionally, the VMECA Vacuum Speeder offers all the height compensating and shock absorbing qualities of a conventional level spring.



The VMECA Vacuum speeder offers the convenience of an extremely compact, point-of-use vacuum pump.



Features

- VMECA Vacuum Cartridge^{PT} with silencer built into the body of a level compensator.
- Point-of-use design eliminates system plumbing.
- Individual and independent vacuum improves safety and reliability of operation
- Low energy consumption.
- Fast response and cycle times - as much as 60% faster than typical, conventional ejectors.