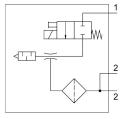
## Vacuum generator VADM-300 Part number: 162505





## **Data sheet**

| With dimension22 mmWufth dimension22 mmWufther construction typeClosedWounting positionAnyStrade of filtration40 µmWanual overrideNon-detentingIntegrated functionShut off valve, electric<br>Compressed air filterZalve functionClosedOperating pressure0.2 MPa0.8 MPa<br>2 bar8 bar<br>29 psi116 psiWax. vacuum85 %Nominal operating pressure0.6 MPa<br>6 bar<br>87 psiAir supply time at nominal operating pressure0.2 6 sOC operating voltage range21.6 V26.4 VDuty cycle100%CertificationCurressed air as per ISO 8573-1:2010 [7:4:4]Orgenating and pilot mediaOperation stressABS (PWIS) conformityVDMA24364-B1/B2-LPersenating of protectionP65Ambient temperature0 °C60 °C   | Feature                                       | Value  |
|--|---|--|
| Wuffler construction typeClosedMounting positionAnyEjector characteristicsHigh vacuumGrade of filtration40 µmWanual overrideNon-detentingntegrated functionShut off valve, electric<br>Compressed air filter/alve functionClosedOperating pressure0.2 MPa0.8 MPa<br>2 bar8 bar<br>2 psi116 psiWax. vacuum85 %Nominal operating pressure0.6 MPa<br>6 bar<br>87 psiOc operating voltage range0.26 sOC operating voltage range21.6 V26.4 VDuty cycle100%Certificationc UL us - Recognized (OL)Operating mediumOperation sentersAss (PKC)2 - Moderate corrosion stressAss (PKC)2 - Moderate corrosion stressAss (PKIS) conformityVDMA24364-B1/B2-LDegree of protectionIP65Ambient temperature0 °C60 °C   | Nominal width of Laval nozzle                 | 3 mm   |
| Wounting positionAnyEjector characteristicsHigh vacuumGrade of filtration40 µmManual overrideNon-detentingIntegrated functionShut off valve, electric<br>Compressed air filterValve functionClosedOperating pressure0.2 MPa0.8 MPa<br>2 bar8 bar<br>29 psi116 psiMax. vacuum85 %Nominal operating pressure0.6 MPa<br>6 bar<br>87 psiOC equating voltage range0.6 MPa<br>6 bar<br>87 psiAir supply time at nominal operating pressure0.26 sOC operating voltage range21.6 V26.4 VDuty cycle100%Certificationc UL us - Recognized (OL)Operating mediumOmpressed air as per ISO 8573-1:2010 [7:4:4]Information on operating and pilot mediaOperation with oil lubrication not possibleCorrosion resistance class (CRC)2 Moderate corrosion stressAAS (PWIS) conformityVDMA24364-B1/B2-LCerege of protectionIP65Ambient temperature0 °C60 °C | Width dimension                               | 22 mm  |
| Ejector characteristicsHigh vacuumGrade of filtration40 µmWanual overrideNon-detentingIntegrated functionShut off valve, electric<br>Compressed air filterValve functionClosedOperating pressure0.2 MPa0.8 MPa<br>2 bar8 bar<br>29 psi116 psiWax. vacuum85 %Vominal operating pressure0.6 MPa<br>6 bar<br>87 psiOctoperating voltage range0.2.6 sDoperating voltage range2.1.6 V26.4 VDuty cycle100%Certificationc UL us - Recognized (OL)Operating mediumOperation with oil lubrication not possibleCorrosion resistance class (CRC)2 - Moderate corrosion stressCASS (PWIS) conformityVDMA24364-B1/B2-LPereperature of medium0 °C60 °CAmbient temperature0 °C60 °C   | Muffler construction type                     | Closed                                       |
| Tarde of filtration40 μmWanual overrideNon-detentingntegrated functionShut off valve, electric<br>Compressed air filter/alve functionClosedOperating pressure0.2 MPa0.8 MPa<br>2 bar8 bar<br>29 psl116 psiMax. vacuum85 %Nominal operating pressure0.6 MPa<br>6 bar<br>87 psiAir supply time at nominal operating pressure0.6 MPa<br>6 bar<br>87 psiOc operating voltage range21.6 V26.4 VDuty cycle100%Certificationc UL us - Recognized (0L)Operating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]nformation on operating and pilot mediaOperation with oil lubrication not possibleCorosion resistance class (CRC)2 - Moderate corrosion stressABS (PWIS) conformityVDMA24364-B1/B2-LFemperature of medium0 °C60 °CAmbient temperature0 °C60 °C  | Mounting position                             | Any  |
| Manual overrideNon-detentingManual overrideNon-detentingntegrated functionShut off valve, electric<br>Compressed air filter/alve functionClosedDperating pressure0.2 MPa0.8 MPa<br>2 bar8 bar<br>29 psi116 psiMax. vacuum85 %Vax. vacuum85 %Nominal operating pressure0.6 MPa<br>6 bar<br>87 psiAir supply time at nominal operating pressure0.26 sOC operating voltage range21.6 V26.4 VDuty cycle100%Certificationc UL us - Recognized (0L)Operating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]nformation on operating and pilot mediaOperation with oil lubrication not possibleCorosion resistance class (CRC)2 - Moderate corrosion stressABS (PWIS) conformityVDMA24364-B1/B2-LTemperature of medium0 °C60 °CAmbient temperature0 °C60 °C   | Ejector characteristics                       | High vacuum                                  |
| ntegrated functionShut off valve, electric<br>Compressed air filter/alve functionClosedDeprating pressure0.2 MPa0.8 MPa<br>2 bar8 bar<br>29 psi116 psiMax. vacuum85 %Nominal operating pressure0.6 MPa<br>6 bar<br>87 psiAir supply time at nominal operating pressure0.26 sOC operating voltage range21.6 V26.4 VDuty cycle100%Certificationc UL us - Recognized (OL)Operating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]nformation on operating and pilot mediaOperation with oil lubrication not possibleCorrosion resistance class (CRC)2 - Moderate corrosion stressABS (PWIS) conformityVDMA24364-B1/B2-LPemperature of medium0 °C60 °CAmbient temperature0 °C60 °C   | Grade of filtration                           | 40 μm  |
| Compressed air filter/alve functionClosedDeprating pressure0.2 MPa0.8 MPa<br>2 bar8 bar<br>29 psi116 psiMax. vacuum85 %Nominal operating pressure0.6 MPa<br>6 bar<br>87 psiAir supply time at nominal operating pressure0.26 sCo operating voltage range21.6 V26.4 VDuty cycle100%Certificationc UL us - Recognized (OL)Operating mediumOperation with oil lubrication not possibleCorrosion resistance class (CRC)2 - Moderate corrosion stressABS (PWIS) conformityVDMA24364-B1/B2-LPerperature of medium0 °C60 °CAmbient temperature0 °C60 °C   | Manual override                               | Non-detenting                                |
| Operating pressure0.2 MPa0.8 MPa<br>2 bar8 bar<br>29 psi116 psiWax. vacuum85 %Nominal operating pressure0.6 MPa<br>6 bar<br>87 psiAir supply time at nominal operating pressure0.26 sOC operating voltage range21.6 V26.4 VDuty cycle100%Certificationc UL us - Recognized (OL)Operating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]Operating non operating and pilot mediaOperation with oil lubrication not possibleCorrosion resistance class (CRC)2 - Moderate corrosion stressABS (PWIS) conformityVDMA24364-B1/B2-LFemperature of medium0 °C60 °CAmbient temperature0 °C60 °C  | Integrated function                           |  |
| 2 bar8 bar<br>29 psi116 psiWax. vacuum85 %Nominal operating pressure0.6 MPa<br>6 bar<br>87 psiAir supply time at nominal operating pressure0.26 sOC operating voltage range21.6 V26.4 VDuty cycle100%Certificationc UL us - Recognized (OL)Operating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]nformation on operating and pilot mediaOperation with oil lubrication not possibleCorrosion resistance class (CRC)2 - Moderate corrosion stressABS (PWIS) conformityVDMA24364-B1/B2-LTemperature of medium0 °C60 °CAmbient temperature0 °C60 °C  | Valve function                                | Closed                                       |
| Nominal operating pressure0.6 MPa<br>6 bar<br>87 psiAir supply time at nominal operating pressure0.26 sDC operating voltage range21.6 V26.4 VDuty cycle100%Certificationc UL us - Recognized (OL)Operating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]nformation on operating and pilot mediaOperation with oil lubrication not possibleCorrosion resistance class (CRC)2 - Moderate corrosion stressABS (PWIS) conformityVDMA24364-B1/B2-LFemperature of medium0 °C60 °CAmbient temperature0 °C60 °C  | Operating pressure                            | 2 bar8 bar                                   |
| 6 bar<br>87 psiAir supply time at nominal operating pressure0.26 sOC operating voltage range21.6 V26.4 VDuty cycle100%Certificationc UL us - Recognized (OL)Operating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]nformation on operating and pilot mediaOperation with oil lubrication not possibleCorrosion resistance class (CRC)2 - Moderate corrosion stressABS (PWIS) conformityVDMA24364-B1/B2-LTemperature of medium0 °C60 °CAmbient temperature0 °C60 °C   | Max. vacuum                                   | 85 %   |
| DC operating voltage range21.6 V26.4 VDuty cycle100%Certificationc UL us - Recognized (OL)Deperating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]nformation on operating and pilot mediaOperation with oil lubrication not possibleCorrosion resistance class (CRC)2 - Moderate corrosion stressLABS (PWIS) conformityVDMA24364-B1/B2-LTemperature of medium0 °C60 °CDegree of protectionIP65Ambient temperature0 °C60 °C   | Nominal operating pressure                    | 6 bar  |
| Duty cycle100%Certificationc UL us - Recognized (OL)Operating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]nformation on operating and pilot mediaOperation with oil lubrication not possibleCorrosion resistance class (CRC)2 - Moderate corrosion stressABS (PWIS) conformityVDMA24364-B1/B2-LTemperature of medium0 °C60 °CDegree of protectionIP65Ambient temperature0 °C60 °C   | Air supply time at nominal operating pressure | 0.26 s                                       |
| Certificationc UL us - Recognized (OL)Operating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]nformation on operating and pilot mediaOperation with oil lubrication not possibleCorrosion resistance class (CRC)2 - Moderate corrosion stressLABS (PWIS) conformityVDMA24364-B1/B2-LTemperature of medium0 °C60 °CDegree of protectionIP65Ambient temperature0 °C60 °C  | DC operating voltage range                    | 21.6 V26.4 V                                 |
| Operating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]nformation on operating and pilot mediaOperation with oil lubrication not possibleCorrosion resistance class (CRC)2 - Moderate corrosion stressLABS (PWIS) conformityVDMA24364-B1/B2-LTemperature of medium0 °C60 °CDegree of protectionIP65Ambient temperature0 °C60 °C  | Duty cycle                                    | 100%   |
| nformation on operating and pilot mediaOperation with oil lubrication not possibleCorrosion resistance class (CRC)2 - Moderate corrosion stressLABS (PWIS) conformityVDMA24364-B1/B2-LTemperature of medium0 °C60 °CDegree of protectionIP65Ambient temperature0 °C60 °C   | Certification                                 | c UL us - Recognized (OL)                    |
| Corrosion resistance class (CRC)   2 - Moderate corrosion stress     LABS (PWIS) conformity   VDMA24364-B1/B2-L     Femperature of medium   0 °C60 °C     Degree of protection   IP65     Ambient temperature   0 °C60 °C  | Operating medium                              | Compressed air as per ISO 8573-1:2010[7:4:4] |
| ABS (PWIS) conformity   VDMA24364-B1/B2-L     Temperature of medium   0 °C60 °C     Degree of protection   IP65     Ambient temperature   0 °C60 °C  | Information on operating and pilot media      | Operation with oil lubrication not possible  |
| Femperature of medium 0 °C60 °C   Degree of protection IP65   Ambient temperature 0 °C60 °C  | Corrosion resistance class (CRC)              | 2 - Moderate corrosion stress                |
| Degree of protection IP65   Ambient temperature 0 °C60 °C  | LABS (PWIS) conformity                        | VDMA24364-B1/B2-L                            |
| Ambient temperature 0 °C60 °C  | Temperature of medium                         | 0 °C60 °C                                    |
|  | Degree of protection                          | IP65   |
|  | Ambient temperature                           | 0 °C60 °C                                    |
| roduct weight 340 g  | Product weight                                | 340 g  |
| Electrical connection Plug   | Electrical connection                         | Plug   |

## FESTO

| Feature                        | Value  |
|--------------------------------|--|
| Type of mounting               | With through-hole<br>With internal thread<br>Optionally: |
| Pneumatic connection 1         | G1/4   |
| Pneumatic connection 3         | Pneumatic muffler integrated                             |
| Vacuum connection              | G3/8   |
| Note on materials              | RoHS-compliant   |
| Seals material                 | NBR  |
| Female nozzle material         | Brass, nickel-plated                                     |
| Compressed air filter material | PA   |
| Material of filter housing     | PC   |
| Housing material               | Wrought aluminum alloy                                   |
| Muffler material               | PE<br>POM  |
| Material of piston             | РОМ  |
| Material of jet nozzle         | Brass, nickel-plated                                     |