

VGS™5010

Item number: VGS™5010\_



- Patented COAX® technology.
- The suction cups are specially designed for handling larger parts, such as car body sheets.
- Compatible with any suction cup with G1/2" male fitting. Suction cup ordered separately.
- Available with a two or three-stage COAX® cartridge MIDI. Choose an Si cartridge for extra vacuum flow, a Pi cartridge for high performance at low feed pressure or an Xi cartridge when high flow and deep vacuum is needed.
- The three-stage cartridge will give extra high initial vacuum flow, suitable in high speed applications.
- Easy installation and flexible positioning with several mounting options.

Technical data

| Description         | Unit | Value                     |
|---------------------|------|---------------------------|
| Material            | -    | Al. Nitrile (NBR). PA. SS |
| Temperature, max.   | °F   | 176                       |
| Temperature, min.   | °F   | 14                        |
| Feed pressure, max. | psi  | 102                       |
| Noise level, max.   | dBA  | 83                        |
| Noise level, min.   | dBA  | 73                        |

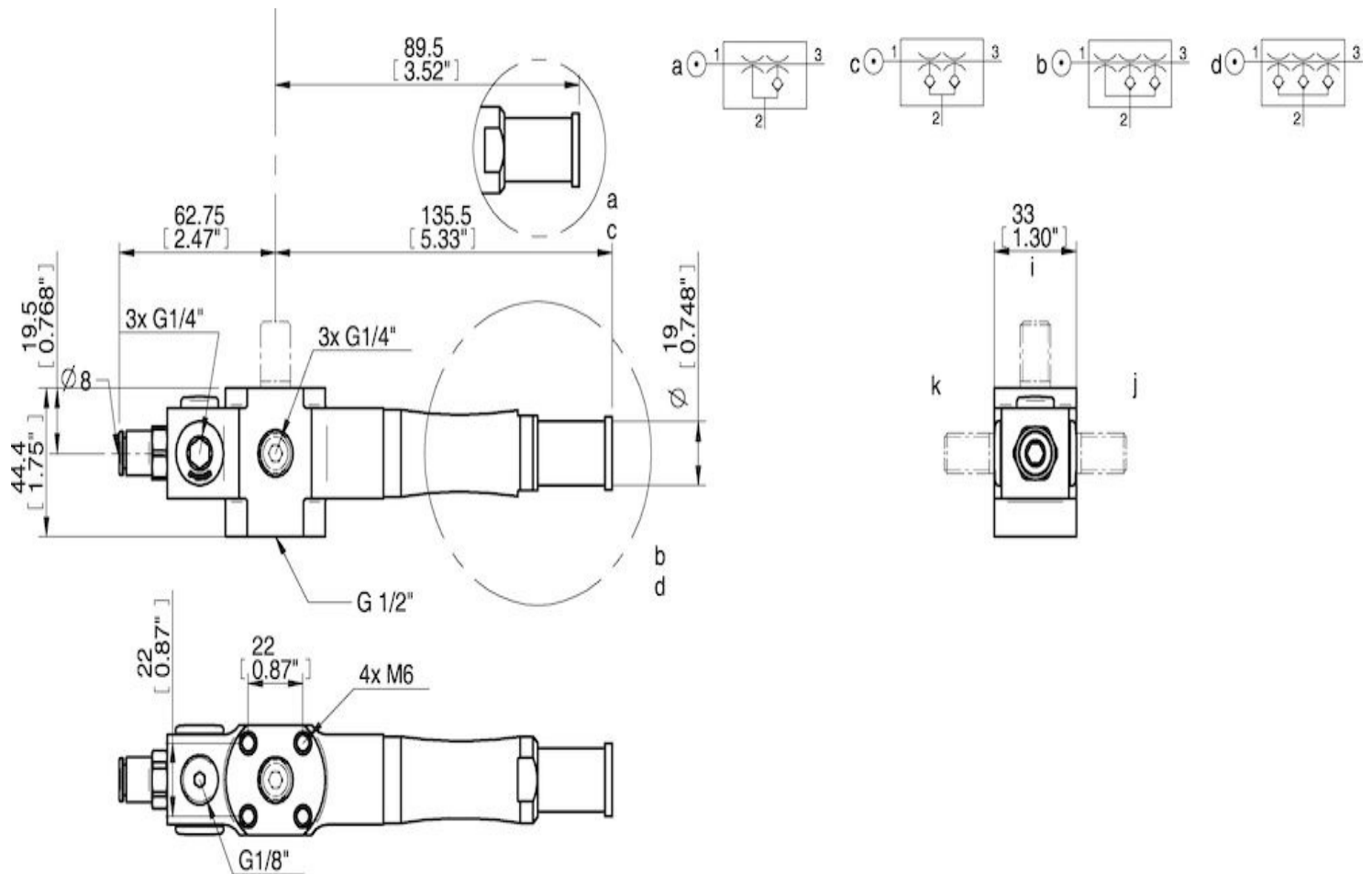
Performance

| Ejector specification | Feed pressure<br>psi | Air consumption<br>scfm | Vacuum flow (scfm) at different vacuum levels (-inHg) |      |      |      |      |       |       |      |      |       | Max vacuum<br>-inHg |
|-----------------------|----------------------|-------------------------|-------------------------------------------------------|------|------|------|------|-------|-------|------|------|-------|---------------------|
|                       |                      |                         | 0                                                     | 2    | 5    | 8    | 11   | 14    | 17    | 20   | 26   | 29    |                     |
| Pi48-2                | 43.51                | 4.24                    | 5.93                                                  | 5.3  | 3.81 | 2.33 | 1.38 | 1.059 | 0.74  | 0.53 | 0.21 |       | ≥26.58              |
| Pi48-3                | 44.96                | 4.34                    | 11.87                                                 | 5.3  | 3.81 | 2.33 | 1.38 | 1.059 | 0.74  | 0.53 | 0.21 |       | ≥26.58              |
| Si32-2                | 87.023               | 3.71                    | 6.99                                                  | 6.36 | 5.51 | 3.6  | 1.91 | 1.27  | 1.059 | 0.74 |      |       | ≥22.15              |
| Si32-3                | 87.023               | 3.71                    | 12.71                                                 | 7.42 | 5.51 | 3.6  | 1.91 | 1.27  | 1.059 | 0.74 |      |       | ≥22.15              |
| Xi40-2                | 65.27                | 3.88                    | 5.93                                                  | 4.87 | 3.39 | 2.12 | 1.55 | 1.23  | 0.91  | 0.68 | 0.38 | 0.064 | ≥28.054             |
| Xi40-3                | 65.27                | 3.88                    | 12.5                                                  | 6.36 | 4.24 | 2.75 | 1.55 | 1.23  | 0.91  | 0.68 | 0.38 | 0.064 | ≥28.054             |

| Ejector specification | Feed pressure<br>psi | Air consumption<br>scfm | Evacuation time (s/cf) to reach different vacuum levels (-inHg) |      |      |       |       |         |       |       |        |         | Max vacuum<br>-inHg |
|-----------------------|----------------------|-------------------------|-----------------------------------------------------------------|------|------|-------|-------|---------|-------|-------|--------|---------|---------------------|
|                       |                      |                         | 2                                                               | 5    | 8    | 11    | 14    | 17      | 20    | 23    | 26     |         |                     |
| Pi48-2                | 43.51                | 4.24                    | 1.076                                                           | 2.38 | 4.33 | 7.56  | 12.49 | 19.17   | 28.6  | 44.77 |        | ≥26.58  |                     |
| Pi48-3                | 44.96                | 4.34                    | 0.57                                                            | 1.7  | 3.4  | 7.079 | 12.74 | 19.82   | 28.32 | 45.31 | 113.27 | ≥26.58  |                     |
| Si32-2                | 87.023               | 3.71                    | 0.85                                                            | 1.98 | 2.83 | 5.097 | 9.34  | 15.0079 | 22.65 |       |        | ≥22.15  |                     |
| Si32-3                | 87.023               | 3.71                    | 0.57                                                            | 1.42 | 2.83 | 5.097 | 9.34  | 15.0079 | 22.65 |       |        | ≥22.15  |                     |
| Xi40-2                | 65.27                | 3.88                    | 1.13                                                            | 2.55 | 4.81 | 7.93  | 12.46 | 17.84   | 25.49 | 36.81 | 65.13  | ≥28.054 |                     |
| Xi40-3                | 65.27                | 3.88                    | 0.62                                                            | 1.76 | 3.4  | 6.23  | 10.48 | 16.14   | 23.79 | 33.98 | 62.3   | ≥28.054 |                     |

| Ejector specification | Feed pressure | Air consumption | Blow flow (scfm) at different pressure levels (-inHg) |       |        |       |      |      |      |      |      |        | Max pressure |
|-----------------------|---------------|-----------------|-------------------------------------------------------|-------|--------|-------|------|------|------|------|------|--------|--------------|
|                       | psi           | scfm            | 0                                                     | 2     | 5      | 8     | 11   | 14   | 17   | 20   | 23   | -inHg  |              |
| Si32-2                | 87.023        | 3.71            | 10.7                                                  | 10.23 | 9.0053 | 7.65  | 6.99 | 6.12 | 5.62 | 4.98 | 4.17 | ≥22.15 |              |
| Si32-3                | 87.023        | 3.71            | 16.53                                                 | 11.44 | 9.75   | 8.052 | 6.99 | 6.57 | 5.72 | 4.87 | 3.81 | ≥22.15 |              |

## Dimensional drawings



Values specified in this datasheet are tested at (unless otherwise stated):

- Room temperature (20°C [68°F] ± 3°C [5.5°F]).
- Standard atmosphere (101.3 [29.9 inHg] ± 1.0 kPa [0.3 inHg]).
- Compressed air quality, DIN ISO 8573-1 class 4.

Tolerance and accuracy:

- Feed pressure tolerance ±0.02 MPa [2.9 psi]
- Vacuum flow/evacuation time accuracy ±10%.