

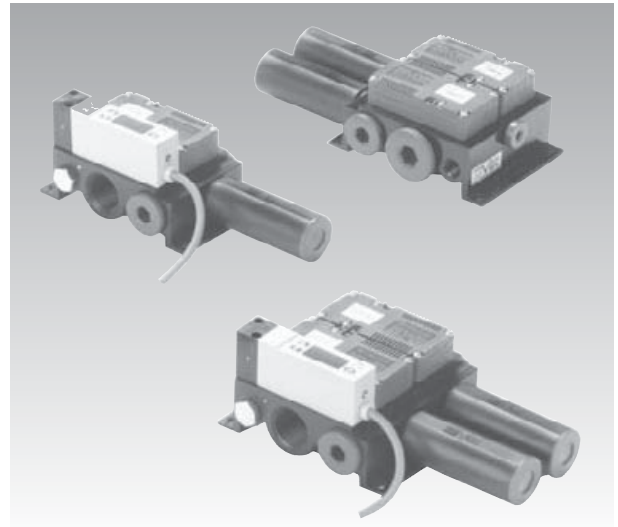
X - Duplex pump

| | |
|----------------------------|-------------------------------------|
| Max. vacuum level | : -93kpa (-697.5mmHg) |
| Max. flow rate | : 332NI/m (19.92m ³ /hr) |
| Supply air pressure | : 4-6 bar Max. 7 bar |
| Supply air type | : Dry compressed air |
| Working temperature | : -20°C to +80°C |
| Noise level | : 57 - 65dBA |

Main advantages

The Duplex VTX type is similar to the mini block type in that it uses the components of the mini type multi stage vacuum pump. The X-Duplex has the same external dimensions to that of the M-Duplex, however the internal ejector system is different to enable higher levels of vacuum to be achieved. The pumps are mounted onto a dual station manifold.

This manifold enables compact and simple installation. The manifold can accommodate two VTX30 pumps thus producing a X-Duplex 60, which gives higher flow rates in a compact format. A vacuum switch can be ordered with the unit which piggy backs one of the pumps again for compact and easy installation. There is an option for mounting the exhausts one either side, or both on one end of the manifold. There is also the option of connecting.



Order No.

VTX20KD - S2 - V

①

②

③

① **Model** - Capacity equivalent to electricity motor pump size

- VTX20KD - 0.2KW
- VTX30KD - 0.3KW
- VTX40KD - 0.4KW
- VTX50KD - 0.5KW
- VTX60KD - 0.6KW

② **Vacuum Switch**

- S1 - Mechanical vacuum switch
- S2(P) - Digital display output 2points, No analog supply
- S3(P) - Digital display output 2points, analog supply

※ Remark : S...(P)
 □ → Output type : PNP open collector

③ **Sealing**

- No mark - Standard (NBR)
- V - Viton®
- E - EPDM

Characteristics

| Model | max. vacuum -kPa(-mmHg) | Max. vacuum flow (NI/m) | air consumption (NI/m) | noise level (dBA) | weight (g) | min hose inner Ø (within 2m) | | |
|---------|----------------------------|-------------------------------|---------------------------|----------------------|---------------|------------------------------|--------|---------|
| | | | | | | air supply | vacuum | exhaust |
| VTX20KD | 93 (697.5) | 124 | 86,4 – 96 | 57 – 60 | 179 | >4 | >10 | >12 |
| VTX30KD | | 185 | 129,6 – 144 | 57 – 63 | 190 | >6 | >10 | >15 |
| VTX40KD | | 247 | 172,8 – 192 | 60 – 63 | 321 | >6 | >12 | >15 |
| VTX50KD | | 290 | 216 – 240 | 60 – 65 | 329 | >8 | >12 | >18 |
| VTX60KD | | 332 | 259,2 – 288 | 60 – 65 | 338 | >8 | >15 | >18 |

Induce air in liters per minute (NI/m)

| Model \ -mmHg -kPa | 0 | 75 | 150 | 225 | 300 | 375 | 450 | 525 | 600 | 675 |
|-----------------------|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|
| | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 |
| VTX20KD | 124 | 72 | 35 | 32 | 27 | 22 | 18 | 12 | 4,8 | 1,8 |
| VTX30KD | 185 | 108 | 52 | 47 | 41 | 33 | 26 | 18 | 7,2 | 2,7 |
| VTX40KD | 247 | 144 | 69 | 63 | 54 | 44 | 35 | 23 | 9,6 | 3,6 |
| VTX50KD | 290 | 171 | 86 | 78 | 66 | 55 | 43 | 29 | 12 | 4,5 |
| VTX60KD | 332 | 198 | 102 | 93 | 78 | 65 | 51 | 34 | 14,4 | 5,4 |

Time in seconds to evacuate to vacuum level (sec/l)

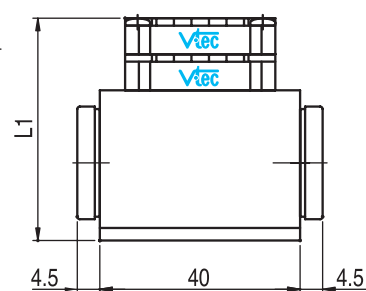
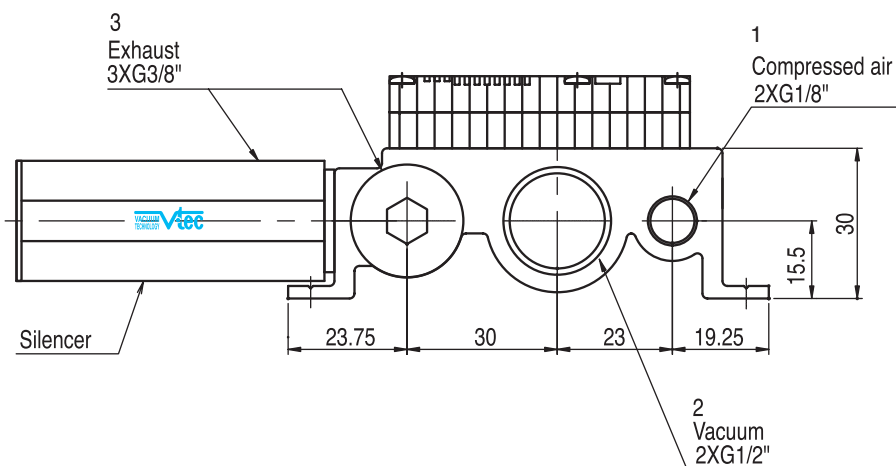
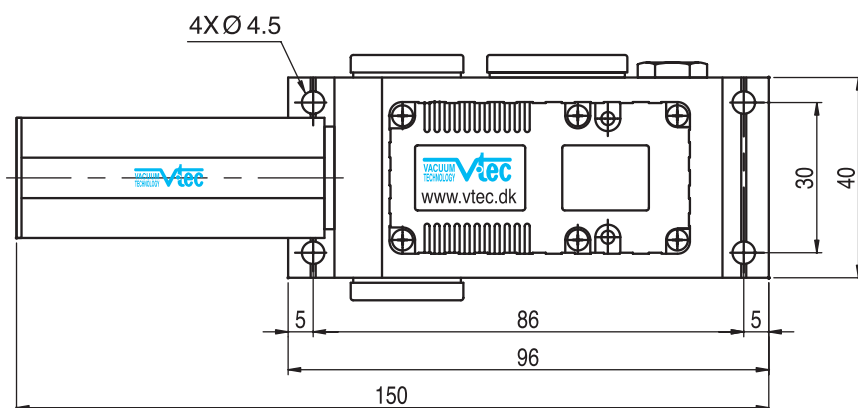
| Model \ -mmHg -kPa | 75 | 150 | 225 | 300 | 375 | 450 | 525 | 600 | 675 |
|-----------------------|-------|-------|-------|------|-------|-------|-------|-------|-------|
| | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 |
| VTX20KD | 0,064 | 0,199 | 0,379 | 0,6 | 0,89 | 1,227 | 1,722 | 2,54 | 4,797 |
| VTX30KD | 0,048 | 0,149 | 0,284 | 0,44 | 0,673 | 0,917 | 1,287 | 1,906 | 3,595 |
| VTX40KD | 0,032 | 0,099 | 0,189 | 0,29 | 0,445 | 0,613 | 0,858 | 1,273 | 2,398 |
| VTX50KD | 0,027 | 0,083 | 0,158 | 0,25 | 0,371 | 0,511 | 0,714 | 1,016 | 1,999 |
| VTX60KD | 0,021 | 0,067 | 0,126 | 0,2 | 0,297 | 0,409 | 0,569 | 0,848 | 1,599 |

Dimensional Information

Standard

VTX 20KD

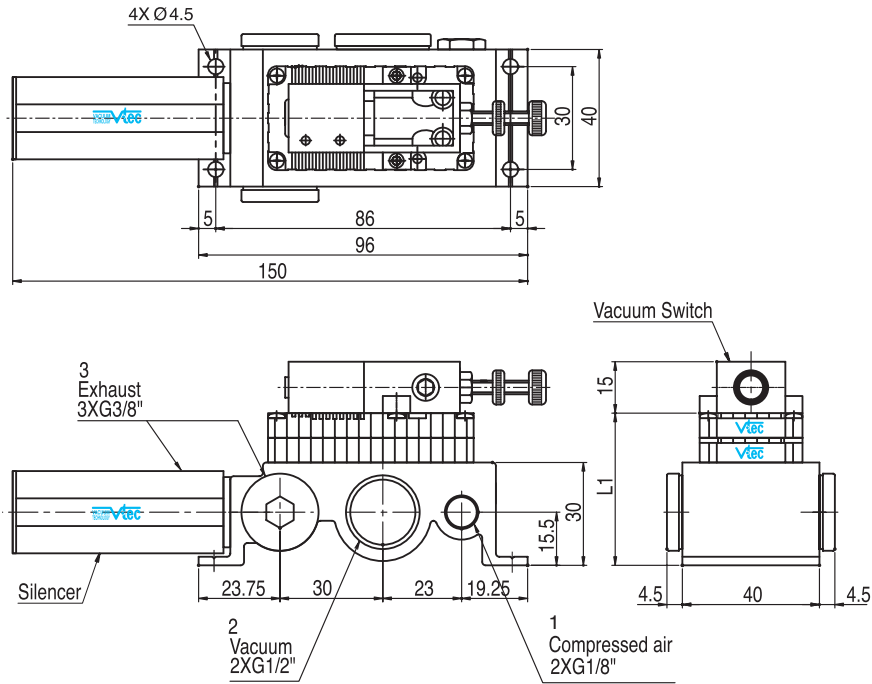
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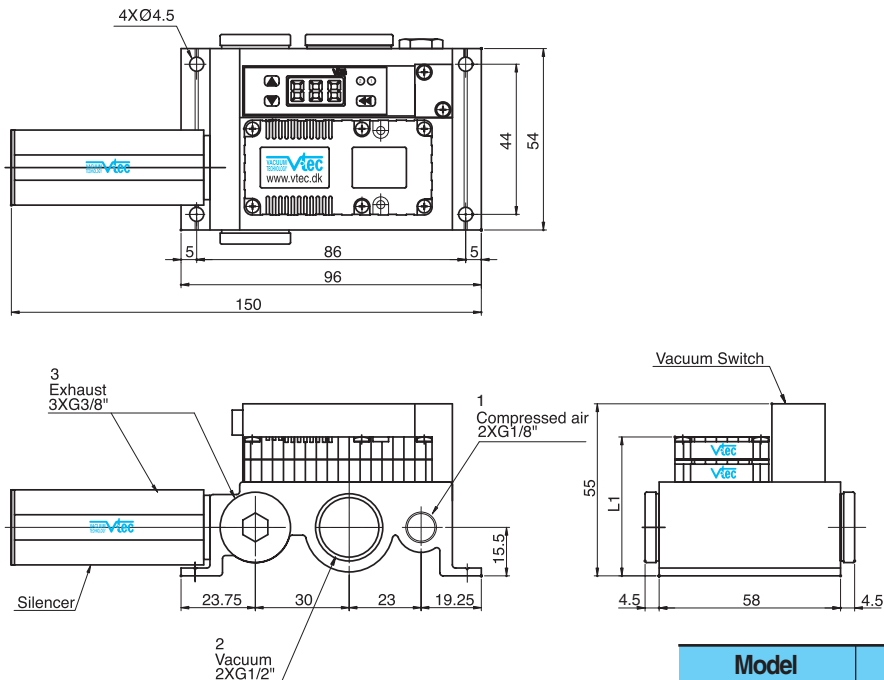
| Model | L1 (mm) |
|---------|---------|
| VTX20KD | 44.4 |
| VTX30KD | 51.6 |

Dimensional Information

with switch S1



with switch S2, S3



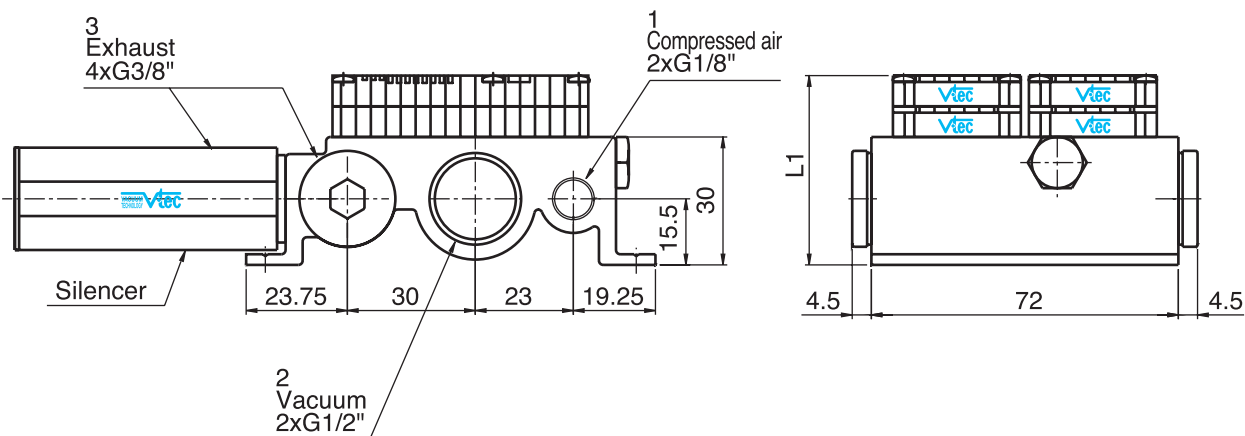
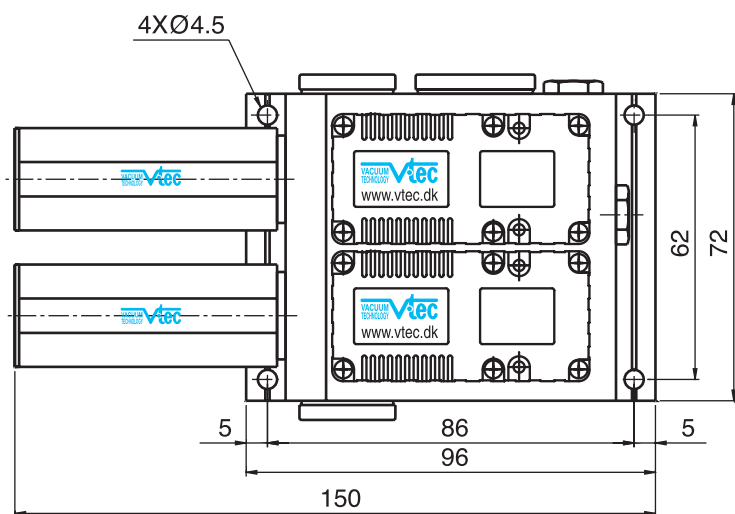
| Model | L1 (mm) |
|---------|---------|
| VTX20KD | 44.4 |
| VTX30KD | 51.6 |

Dimensional Information

Standard

VTX 40KD

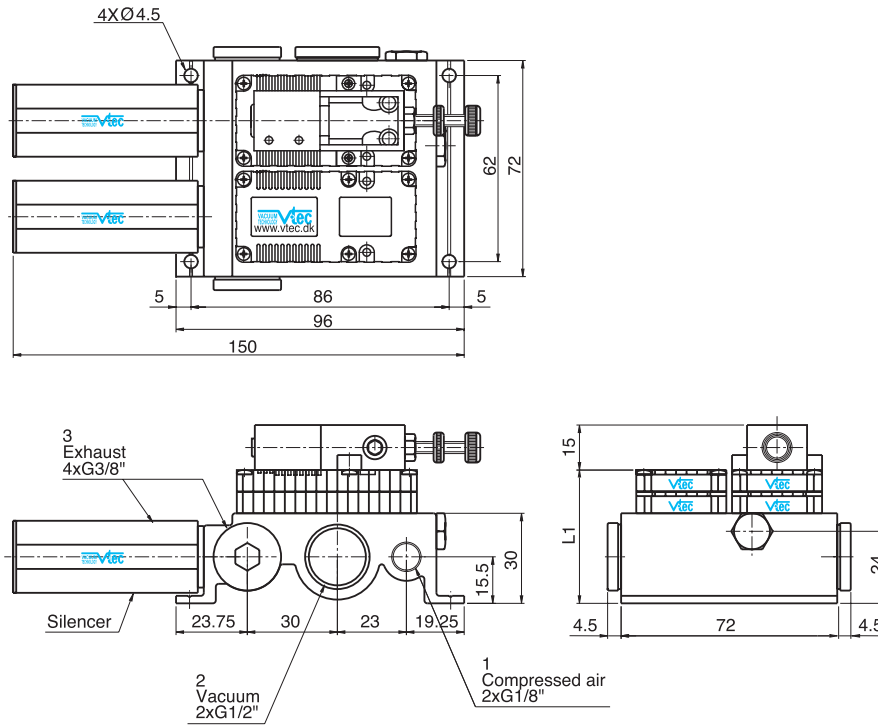
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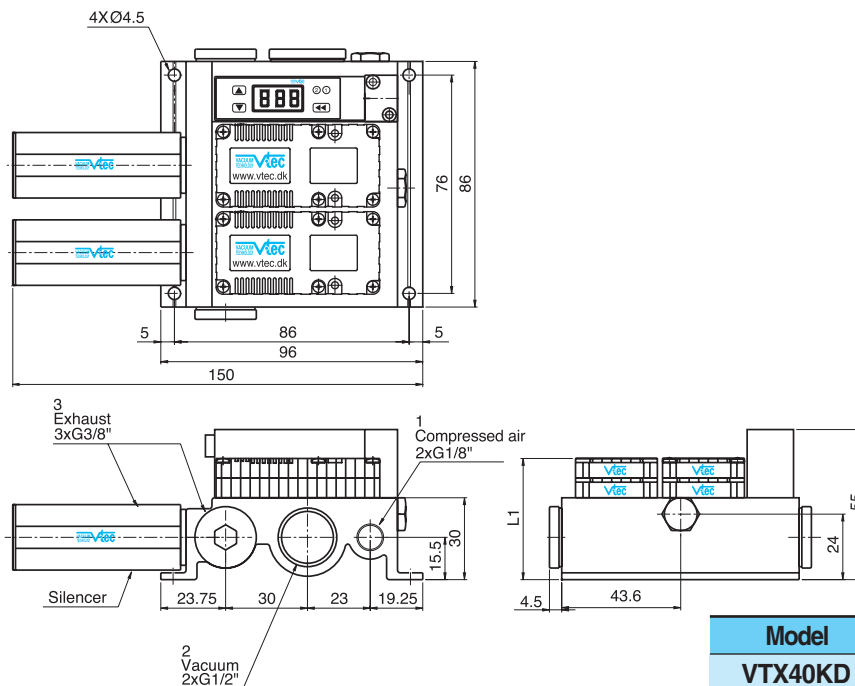
| Model | L1(mm) |
|---------|--------|
| VTX40KD | 44.4 |
| VTX50KD | 51.6 |
| VTX60KD | 51.6 |

Dimensional Information

with switch S1



with switch S2, S3



| Model | L1(mm) |
|---------|--------|
| VTX40KD | 44.4 |
| VTX50KD | 51.6 |
| VTX60KD | 51.6 |