

# Abrex-System®

**VIPERX®**  
mod.: 3A, 5A, 8A

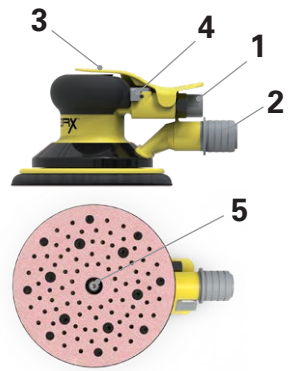


## OPERATION AND MAINTENANCE MANUAL

The ViperX models with 3A, 5A and 8A orbits are designed and built for levelling filler, sanding body work and polishing gel coats in the naval industry.

| Model                      | ViperX3A                          | ViperX5A                          | ViperX8A                          |
|----------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| <b>Orbit</b>               | <b>3 mm</b>                       | <b>5 mm</b>                       | <b>8 mm</b>                       |
| Ø Pad                      | 125 / 150mm                       | 125 / 150mm                       | 125 / 150mm                       |
| Holes                      | 33 Holes / 97 Holes               | 33 Holes / 97 Holes               | 33 Holes / 97 Holes               |
| RPM                        | 6500 – 11000                      | 6500 – 11000                      | 6500 – 11000                      |
| Weight                     | 835 g                             | 835 g                             | 835 g                             |
| Working pressure           | 6.2 Bar – 90 PSI                  | 6.2 Bar – 90 PSI                  | 6.2 Bar – 90 PSI                  |
| Air consumption            | 340 l/min                         | 340 l/min                         | 340 l/min                         |
| Air inlet                  | ¼" Gas                            | ¼" Gas                            | ¼" Gas                            |
| Pad thread                 | M8                                | M8                                | M8                                |
| Extraction                 | Centralized                       | Centralized                       | Centralized                       |
| Noise:                     | 82 db A                           | 82 db A                           | 82 db A                           |
| Vibrations<br>max aeq sum: | <b>3A</b> = 8.43 m/s <sup>2</sup> | <b>5A</b> = 8.16 m/s <sup>2</sup> | <b>8A</b> = 7.38 m/s <sup>2</sup> |

**USE:** connect ViperX to the compressed air supply (1) using an internal Ø8 mm and external Ø10 mm tube. Connect the Ø 29 mm dust extraction hose to the swivel connector (2). Place ViperX on the surface to be sanded, hold it firmly and press on the start lever (3) with the palm of the hand to start the pad rotating. The side lever (4) adjusts the rotation speed (RPM). ViperX stops rotating when you lift the palm of your hand from the start lever. To replace the pad, remove the air and extraction hoses, unscrew the central M8 screw (5), remove the worn pad, position the new one in place and tighten the M8 screw.



## REPLACEMENT PADS

| <i>Pad Model</i> | <i>Screw thread</i> | <i>Weight</i> | <i>Ø</i> | <i>Holes</i> | <i>Hardness</i> | <i>Velcro® System</i> | <i>Computer Code</i> |
|------------------|---------------------|---------------|----------|--------------|-----------------|-----------------------|----------------------|
| <b>FUSION</b>    | M 8                 | 130 g         | 150 mm   | 97           | Medium          | ●                     | SVIPER150F1          |
|                  |                     |               |          |              | Soft            | ●                     | SVIPER150F2          |
|                  |                     |               |          |              | Hard            | ●                     | SVIPER150F3          |
|                  |                     |               | 125 mm   | 33           | Medium          | ●                     | SVIPER125F1          |
|                  |                     |               |          |              | Soft            | ●                     | SVIPER125F2          |
|                  |                     |               |          |              | Hard            | ●                     | SVIPER125F3          |

**MAINTENANCE:** periodically lubricate the air and extraction connections with pneumatic oil (use Orlen Pneumatic VG 32 oil, ISO viscosity grade: 32). After each use, perform general cleaning and check that the start/stop lever is working. Do not use liquids such as water or solvents.

If any abnormality is noticed in the rotation (RPM) contact manufacturer.

**DISPOSAL:** separate the components according to type and material. Take them to authorized disposal facilities.



## DECLARATION OF CONFORMITY

Abrex System Srl, via del Viticolotore, 11, Loc. Poggio Piccolo, 40023 Castel Guelfo di Bologna (BO), Italy, declares under its sole responsibility that ViperX versions 3A, 5A and 8A are designed and built in compliance with the following European standards:

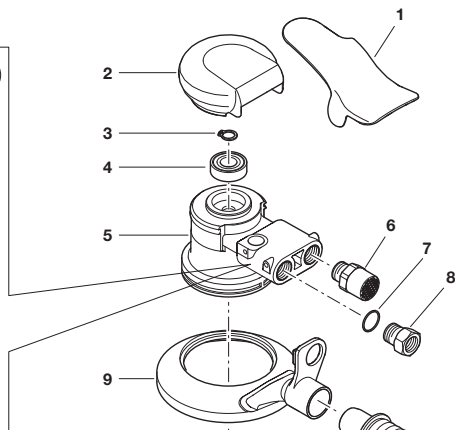
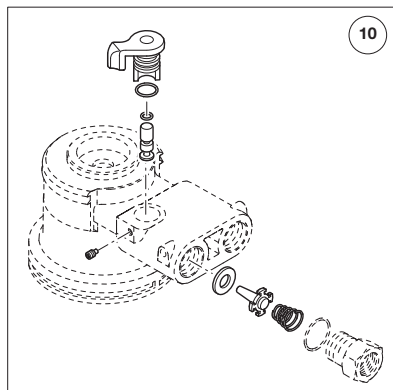


Machine Directive 2006/42/CE  
UNI EN ISO 5349:2004  
UNI EN ISO 11148-8:2012  
UNI EN ISO 4414:2012

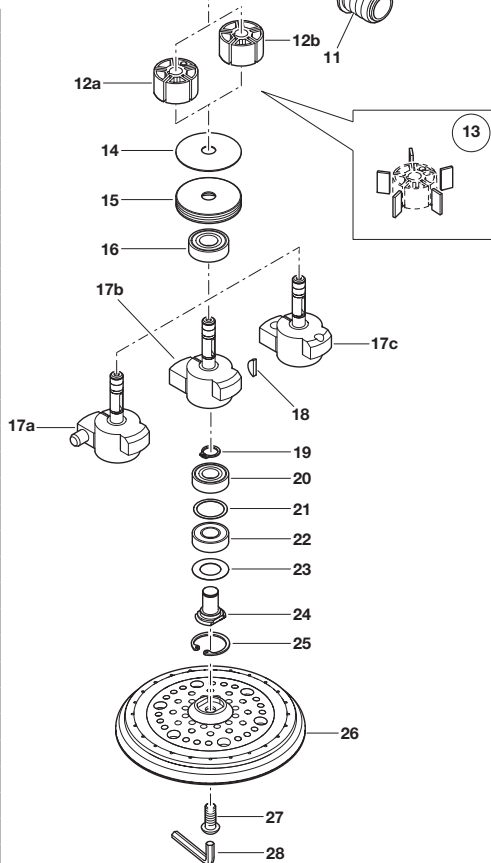
**WARRANTY:** the warranty on ViperX™ tools is for 1 year and is extended to 2 years if the tool is registered within 30 days of purchase. The warranty for industrial use is for 1 year. Each tool must be individually registered on the [www.abrex-system-tools.com](http://www.abrex-system-tools.com) website. The warranty for ViperX™ **tools covers all manufacturing defects and any defective materials used in the construction of the tool.** For the warranty to be valid, ViperX™ pneumatic tools must be used and stored in accordance with the instructions for use in the manual provided in each tool box. The warranty **does not cover** the tool in the following cases:

- Damage due to accidental shocks or falls.
  - Transport damage.
  - Improper use in unsuitable environments or exposure to extreme temperatures.
  - Sanding of wet materials or in the presence of solvents and/or liquids.
  - Damage caused by the use of non-original accessories.
  - Damage caused by air flows higher than recommended.
  - Failure to lubricate the tool.
  - Tool parts subject to wear: bearings, rotors and blades, dust extraction bell, pad.
  - Maintenance performed by third parties and/or centres unauthorized by the manufacturer.
  - Malfunction due to tampering with the tool by the customer and/or third parties.
- Repairs carried out under the warranty do not extend the warranty period.

| Model | ViperX3A_    | ViperX5A_    | ViperX8A_    |
|-------|--------------|--------------|--------------|
| Orbit | 3 mm         | 5 mm         | 8 mm         |
| Ø Pad | 125 / 150 mm | 125 / 150 mm | 125 / 150 mm |



| Pos.  | Code        | Name                              | Qty |
|-------|-------------|-----------------------------------|-----|
| 1     | LCHUT_01529 | START LEVER                       | 1   |
| 2     | LCHUT001528 | GRIP                              | 1   |
| 3     | LCHUT000010 | COMPRESSION WASHER                | 1   |
| 4     | LCHUT1810NS | UPPER BEARING                     | 1   |
| 5     | LCHUT_01515 | MACHINE BODY                      | 1   |
| 6     | LCHUT001552 | SILENCER                          | 1   |
| 7     | LCHUT01541R | GASKET                            | 1   |
| 8     | LCHUT01541B | AIR INLET                         | 1   |
| 9     | LCHUT001546 | EXTRACTION KIT                    | 1   |
| 10    | LCHUT001530 | AIR KIT                           | 1   |
| 11    | CRACGIR0000 | SWIVEL CONNECTOR 29 mm            | 1   |
| 12(a) | LCHUT081524 | ROTOR FOR 8 mm ORBITAL SANDER     | 1   |
| 12(b) | LCHUT011524 | ROTOR FOR 2.5/5 mm ORBITAL SANDER | 1   |
| 13    | LCHUT01523S | BLADE KIT (5)                     | 1   |
| 14    | LCHUT1321CW | PLATE C72 / 0.4 mm                | 1   |
| 15    | LCHUTAB1521 | ALUMINIUM FLANGE LEFT THREAD      | 1   |
| 16    | LCHUT001810 | LOWER BEARING                     | 1   |
| 17(a) | LCHUT015192 | ROCKER FOR 8 mm ORBITAL SANDER    | 1   |
| 17(b) | LCHUT001519 | ROCKER FOR 5 mm ORBITAL SANDER    | 1   |
| 17(c) | LCHUT015191 | ROCKER FOR 2.5 mm ORBITAL SANDER  | 1   |
| 18    | CLINDS68886 | TAB                               | 1   |
| 19    | LCHUT000012 | COMPRESSION WASHER                | 1   |
| 20    | LCHUT017212 | BEARING                           | 1   |
| 21    | LCHUT261901 | SPACER                            | 1   |
| 22    | LCHUT017211 | PROTECTED BEARING                 | 1   |
| 23    | CRON28X1505 | DUST WASHER                       | 1   |
| 24    | LCHUT01544G | PAD SUPPORT PIN                   | 1   |
| 25    | LCHUT000028 | COMPRESSION WASHER                | 1   |
| 26    | SVIPER150F1 | PAD D150                          | 1   |
| 26A   | SVIPER125F1 | PAD D125                          | 1   |
| 27    | CVITM82N109 | GALVANISED SCREW M8               | 1   |
| 28    | LCHTU000800 | 5 mm HEX KEY                      | 1   |



( ) complete the code with the letter of the required color - T= Tiffany - Y=Yellow - W=White