

**Coolant creates a visibility problem.**  
**Visiport<sup>®</sup> lets you see into your machine.**

### Product Features

- Integrated surface-mount electronics with reverse polarity protection
- Brushless DC motor, 24 VDC, 5 Amp minimum supply requirement
- Steady state current draw 250 mA (with no coolant load)
- Optical sensor provides unit with flashlight powered on/off switch
- Long life, instrument-rated bearing set
- Balanced, rotating disc window, with chemically strengthened glass
- DLC\* coating for 10X plus resistance to glass wear (optional)
- Mounting plate for easy installation and low life-cycle cost
- Sealed connection cavity with exit ports left, right, and bottom
- Flex conduit or PUR tubing for harness routing (EO/EO2 optional)
- Terminal box with mechanical on/off/reset toggle switch
- Simple unit installation and removal
- Quick, easy maintenance
- One year limited warranty
- For more information, call us toll free or visit us at:



### VP180.B5 Specifications:

Overall Diameter	8"	203 mm
Profile Height	1.75"	45 mm
Overall Length	10.140"	258 mm
Weight	3.68 lb	1.7 kg
Glass Thickness	.120"	3 mm



Visiport Model VP180.B5 with H Fitting for Flex Conduit installed in exit port.

### Unit Installation

Visiport<sup>®</sup> may be installed from vertical to 30° from vertical position. Visiport<sup>®</sup> may also be installed in moving or fixed (non-opening) windows. The Visiport<sup>®</sup> package contains the Visiport<sup>®</sup> base unit, installation manual, terminal box, tools for removing the spin disc, motor assembly, and a small parts replacement kit.

Visiport<sup>®</sup> works best with water-based coolants and light mineral oils. (Heavier oils impair performance.) For machines without necessary amperage, optional 120 watt power supply is available. All Visiport<sup>®</sup> units require the use of a flexible conduit/wire harness and power cable, priced separately by length.

### Bonding Information

On properly prepared surfaces, it is nearly impossible to separate mounting plates or directly mounted spin windows from the glass or polycarbonate substrate. Visiport<sup>®</sup> systems are designed to have a bonding strength safety factor of better than 20 to 1.

Adhesive Carrier .....	Closed Cell Acrylic Foam
Peel Adhesion .....	20 lbs/in - 3.5 N/mm
Tensile Adhesion .....	140 lbs/in <sup>2</sup> - 1.0 N/mm <sup>2</sup>
Dynamic Shear Adhesion .....	80 lbs/in <sup>2</sup> - 0.55 N/mm <sup>2</sup>

Information on 3M Engineered adhesives at [http://www.3m.com/us/mfg\\_industrial/adhesives/vhb/](http://www.3m.com/us/mfg_industrial/adhesives/vhb/)

Visiport<sup>®</sup> is a Registered Trademark of T2K.

\*Diamond-Like Carbon.

### Important Product Benefits

- ✓ Most powerful spin window on market
- ✓ Light weight aircraft aluminum construction
- ✓ Easy installation - OEM and retrofit versions
- ✓ Major components modular and field replaceable
- ✓ Low profile
- ✓ Highest quality components - excellent value!
- ✓ Quick spin disk replacement
- ✓ Installs on glass or polycarbonate
- ✓ Adaptability to numerous machine enclosures
- ✓ Installation requires no hole in machine window