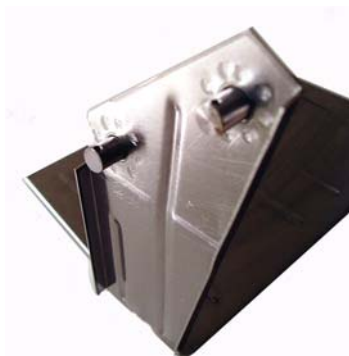




*Quality and Value
Through Engineering*

- ◆ V150
- ◆ Improved Reliability
- ◆ Single piece design



The Signet V150 shutter blades replace OEM Part number 8001045Ref. They are available with or without cut outs.

Signet PN 58-0110 (with cut outs)

Signet PN 58-0104 (without cut outs).

For more information please go to our website. The MBE/MOCVD table will allow you to list all the parts Signet has available for the V150. You may also want to use the search page.

MBE/MOCVD Oxford Instruments (VG) V150

Signet V150 Shutter Blades



Signet Part Numbers 58-0104 and 58-0110

Shutter blades can be one of the most frequently replaced components of the V150 chamber. They typically are replaced for the following reasons:

- a) Corrosion of the spot welds that hold the blade together.
- b) Coating to the point it no longer functions.
- c) The hinge pins that mount the V150 shutter blade to the shutter blade assembly shear off as the spot welds that hold the mounting pin in place fail.

Signet V150 shutter blades address all these problems.

- a) Each blade is made from a single piece of Ta that has been formed into shape eliminating spot welds.
- b) The mounting pins are mounted on the inside of the blade arms. In the event that these spot welds should fail, the inside mounted pins are designed to remain in place and will not to fall into the process area.
- c) They are made of a thicker material to better deal with the demanding conditions inside the V150 chamber.
- d) They are less expensive than the OEM design, thus allowing users the flexibility to replace worn or damaged blades more frequently.

Signet Products Inc. supplies parts that replace OEM consumable parts. Whenever possible, they are engineered to improve performance and or extend service life. A "Ref." following an OEM part number indicates our part is an improved design related to this OEM part.

Ref. = Design Alteration of OEM Part

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PDS58-0104 Rev. 08/16/06

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