

dametric 

AGS-XP-XXX

**SENSOR TIP
FOR THE AGS SENSOR**



**AGS-XP-360
AGS-XP-430
AGS-XP-460**

DESCRIPTION



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1 GENERAL

The sensor tip part of the AGS sensor includes the actual gap measuring sensor.

There are a couple of different tips with different lengths to fit the various types of refiners according to the list below.

Tip article no.	Overall length	AGS-Sensor	Refiner, remark
AGS-XP-360	360 mm	AGS-200 AGS-O76	RGP-2XX, single disc RGP-CD82, outer (CD) zone
AGS-XP-430	430 mm	AGS-IZ AGS-IZG	RGP-60, single disc RGP-76X, inner (flat) zone
AGS-XP-460	460 mm	AGS-I76	RGP-CD82, inner (flat) zone

2 SPECIFICATION

Measurement range 0 - 3.00 mm (0 – 0.12 inch). Segment material must be of a type with relatively good reluctance; maximum allowed magnetism is 20 Gauss in a position 10 mm (0.40 inch) above the segment surface.

Temperature range

Tip 0-220 °C (428 °F)

Connector 0-120 °C (248 °F)

Wear limit 3 mm (0.12 inch)

Material Stainless steel

Electrical isolation Teflon coating

Connector 7-pole Stainless steel cover

Length, weight See outline drawing

Patents The tip is protected by the patents:
US 6.657.427, US 7.064.536, WO2004/085070,
WO2005/083408 and WO/2006/135331.

valmet part no.:

AGS-XP-360 VAL0224432360

AGS-XP-430 VAL0220452430

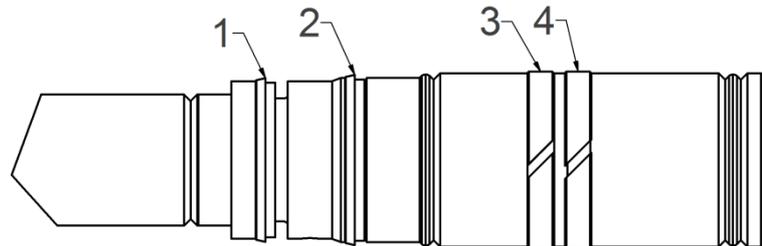
AGS-XP-460 VAL0224434460

3 SEALING

This sensor tip includes several lubricated sealing gaskets and these are protected with a plastic cover upon delivery. It is extremely important that the gaskets are not damaged. When the plastic cover is removed before tip replacement, the sealing gaskets must be inspected to make sure they are not damaged.

Note! Inserting an old or damaged sensor tip may result in extensive damage to the AGS and/or compromised operation!

The particular sealing gaskets differ depending on the type of sensor tip. Generally, items 1 and 2 are the actual sealing gaskets, and 3 and 4 are scrapers/glide rings.



4 ID - NUMBER

The Tip Id number includes 13 digits and is given to the system when a new sensor tip is mounted.

The first four digits in the number are the serial number of the tip and the remaining digits is a coded number which also includes a coded date of time.

The tip id number is also printed on a label which is tabbed on the document following the tip.

Enter the code when prompted during the tip exchange procedure. If the code is not valid, the tip can still be used but only for a time period of five days.

If the code is ok, but it is out of date (more than one year after the manufacturing date), the tip can be used for 20 days without limitations.

During this time the user must require a valid code and then validate the tip by the Panel-PC program.

A not validated tip will still work even if the validation time has passed but with the following limitations:

- A recalibration of the tip cannot be done.
- The trend display cannot be enabled.
- The system settings functions are disabled.

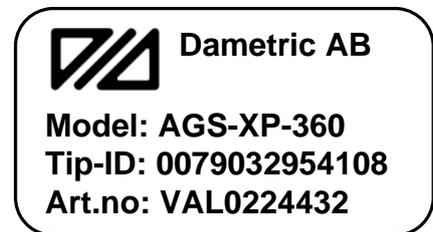
Consult Dametric on 'tipid@dametric.se' (or call +46-8 556 477 00) to get a new tip id if the time limit has expired for tips that has been in stock before use more than a year.

5 MOUNTING

The tip is mounted directly to the AGS house (AGD-HM3) and the holder must be mounted before the tip is mounted.

The AGS sensor must be connected to the AGS measurement system when the tip is to be replaced and the procedure is controlled by the Panel-PC from the **AGS Service -> Tip Replacement** menu. When the tip is worn out you use this sequence-driven function to change to a new tip.

Press the **Start** button to start the sequence. The progress of the sequence is shown in the yellow window.



Tip-ID: 0079032954108
 serial → code →

During the sequence you will be prompted remove the tip and then insert a new one. Please note the id number of the new tip, since this will be entered after the old tip has been removed.

See the manual “AGS-XXX_ServiceManual_Eng” for additional information on how to perform a tip replacement.

6 OUTLINE DRAWING



AGS Tip article no.	L = Length	Weight
AGS-XP-360	360 mm (14.2 inch)	0.59 kg (20.8 ounce)
AGS-XP-430	430 mm (16.9 inch)	0.68 kg (24.0 ounce)
AGS-XP-460	460 mm (18.1 inch)	0.72 kg (25.4 ounce)

7 CONTACT

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