

dametric 

AGS-XP-SXXX

**SENSOR TIP
FOR THE AGS SENSOR**



**AGS-XP-S270
AGS-XP-S360
AGS-XP-S430
AGS-XP-S460**

DESCRIPTION

CONTENT

1 GENERAL.....2

2 SPECIFICATION.....2

3 SEALING3

4 TIP-ID / LICENSE3

5 WEAR LIMIT INDICATOR3

6 MOUNTING.....3

7 OUTLINE DRAWING4

8 CONTACT.....4

1 GENERAL

The sensor tip part of the AGS sensor includes the actual gap measuring sensor. The AGS-XP-SXXX series of tips includes a new sealing surface to minimize the risk of leakage into the AGS house. The tips in this series are equal except for the total length and weight and are used in the following AGS sensors and refiners.

<i>Tip article no.</i>	<i>Overall length</i>	<i>AGS-Sensor</i>	<i>Refiner, remark</i>
AGS-XP-S270	270 mm	AGS-SD65 AGS-CFS AGS-OZGS	SD-65, single disc CF-82, RF5, single disc RGP-70CD (outer zone)
AGS-XP-S360	360 mm	AGS-O76S AGS-S2KS	RGP-CD76X, RGP-76CD, RGP-82CD Andritz S2070
AGS-XP-S430	430 mm	AGS-IZGS AGS-IZS	RGP-70CD (inner zone) RGP-60
AGS-XP-S460	460 mm	AGS-I76S AGS-TW60S	RGP-76CD, RGP-82CD (inner zone) Andritz Twin-60

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	2.5 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.

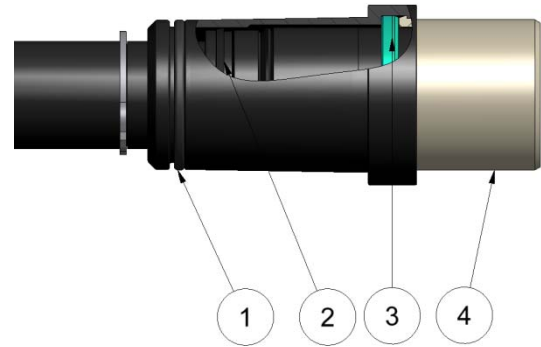
Metso part no.:

AGS-XP-S270	VAL0296313
AGS-XP-S360	VAL0320681
AGS-XP-S430	VAL0323747
AGS-XP-S460	VAL0320682

3 SEALING

This sensor tip includes several lubricated sealing gaskets (2) and (3) and these are protected with the sealing sleeve. The o-ring (1) is greased and protected with a plastic cover at delivery. Check the gasket when the cover is removed. The side part of the sensor tip is covered by a Peek isolator (4).

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



4 TIP-ID / LICENSE

Consult the manual “AGS-XP TIP-ID-License EN.pdf” for details about tip id and license handling.

5 WEAR LIMIT INDICATOR

It is important that the sensor is not worn beyond the indicator, marked by the arrow. Note that this is after the estimated plate life. A sensor worn beyond this point may result in a plate crash and furthermore affect the refiner security.



6 MOUNTING

The tip is mounted directly to the AGS house after the holder 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.

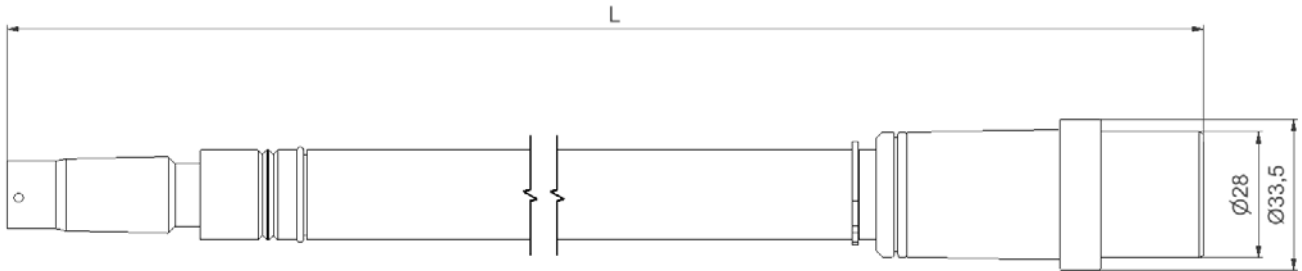
When the tip is worn out you use this sequence-driven function to change to a new tip.

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

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 EN” for additional information on how to perform a tip replacement.

7 OUTLINE DRAWING



AGS Tip article no.	L = Length	Weight
AGS-XP-S270	270 mm / 10.6 inch	0.59 kg / 20.8 ounce
AGS-XP-S360	360 mm / 14.2 inch	0.62 kg / 21.9 ounce
AGS-XP-S430	430 mm / 16,9 inch	0.70 kg / 24.7 ounce
AGS-XP-S460	460 mm / 18.1 inch	0.75 kg / 26.5 ounce

8 CONTACT

Development, production and service:

Dametric AB

Jägerhorns Väg 19, SE-141 75 Kungens Kurva, Sweden
 Phone: +46-8 556 477 00 Telefax: +46-8 556 477 29
 e-mail: ags@dametric.se www.dametric.se

dametric 