



## Ellipse® Pitot Tube Meter

### AHR Annular Low Pressure Wet Tap

#### DESCRIPTION

The Preso ELLIPSE® Model AHR (Annular Low Pressure Wet Tap) is a multi-ported, self averaging differential pressure type ELLIPSE® as manufactured by Preso.

#### CONFIGURATION

The flow element has a two piece construction, of an elliptical shape with two 100% independent flow sensing chambers to prevent signal degradation and mixing or that require dampening hardware or software. The impact velocity sensing holes are located along the leading edge and the true static sensing holes are on the exterior probe side. The probe does not generate any vortices or vacuum effects that impinge on the static pressure measurement sensing area and has a drag coefficient of 0.32 or less. Each flow sensor is complete with instrument shut off valves with provisions to accept a transmitter or direct indicating meter. An identification tag is supplied with specific flow station measurement information as required.

#### MATERIALS

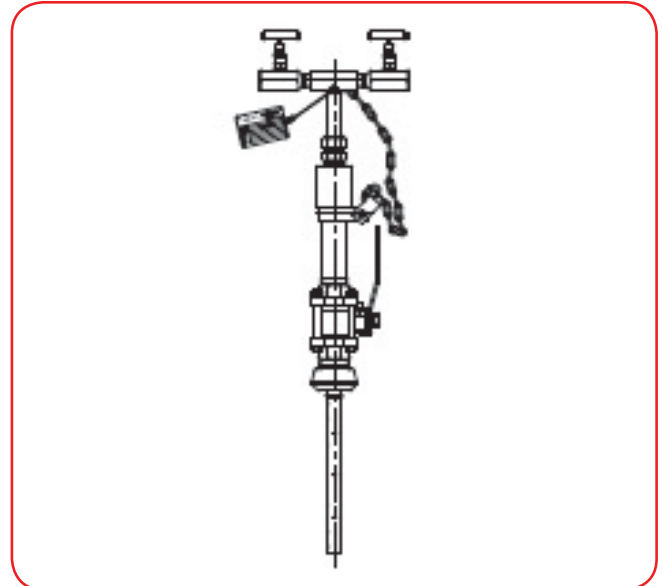
All sensing elements are 316/316L stainless steel. The mounting coupling is the same material as the process pipe material and must include ball valve with safety chain assembly for removal under system insertion conditions. The station is rated to 150° F (66° C) and 75 PSIG (5 Bar) for insertion and to 150° F (66° C) and 150 PSIG (10 Bar) operational conditions and is selected to meet actual design conditions.

#### ACCURACY & REPEATABILITY

The accuracy of the flow element is within  $\pm 0.75\%$  with a repeatability of  $\pm 0.1\%$  and turndown of 17:1 in the corresponding and appropriate range of Reynolds' Numbers. Certified, independent test data is available from NIST laboratories in similar line sizes as well as in liquids and gases.

#### QUALITY

All flow sensors are manufactured under an ISO 9001:2008 certified quality program. Certification documentation is available for inspection. To prevent corrosion no welds, rough surfaces or longitudinal depressions are part of the sensor in the fluid stream.



#### APPLICABLE FLUIDS

Liquids and gases (low pressure).

#### COMPONENTS:

All sensors are furnished with 1/2" instrument valves, threaded weld fitting, threaded ball valve, threaded cage nipple, threaded compression fitting, and ID tag as standard equipment. Available options include: Integral 3-valve or 5-valve transmitter mount manifold and integral RTD temperature sensor.

#### По вопросам продаж и поддержки обращайтесь:

Архангельск (8182)63-90-72  
Астана +7(7172)727-132  
Астрахань (8512)99-46-04  
Барнаул (3852)73-04-60  
Белгород (4722)40-23-64  
Брянск (4832)59-03-52  
Владивосток (423)249-28-31  
Волгоград (844)278-03-48  
Вологда (8172)26-41-59  
Воронеж (473)204-51-73  
Екатеринбург (343)384-55-89  
Иваново (4932)77-34-06  
Ижевск (3412)26-03-58  
Иркутск (395) 279-98-46

Казань (843)206-01-48  
Калининград (4012)72-03-81  
Калуга (4842)92-23-67  
Кемерово (3842)65-04-62  
Киров (8332)68-02-04  
Краснодар (861)203-40-90  
Красноярск (391)204-63-61  
Курск (4712)77-13-04  
Липецк (4742)52-20-81  
Магнитогорск (3519)55-03-13  
Москва (495)268-04-70  
Мурманск (8152)59-64-93  
Набережные Челны (8552)20-53-41  
Нижний Новгород (831)429-08-12

Новокузнецк (3843)20-46-81  
Новосибирск (383)227-86-73  
Омск (3812)21-46-40  
Орел (4862)44-53-42  
Оренбург (3532)37-68-04  
Пенза (8412)22-31-16  
Пермь (342)205-81-47  
Ростов-на-Дону (863)308-18-15  
Рязань (4912)46-61-64  
Самара (846)206-03-16  
Санкт-Петербург (812)309-46-40  
Саратов (845)249-38-78  
Севастополь (8692)22-31-93  
Симферополь (3652)67-13-56

Смоленск (4812)29-41-54  
Сочи (862)225-72-31  
Ставрополь (8652)20-65-13  
Сургут (3462)77-98-35  
Тверь (4822)63-31-35  
Томск (3822)98-41-53  
Тула (4872)74-02-29  
Тюмень (3452)66-21-18  
Ульяновск (8422)24-23-59  
Уфа (347)229-48-12  
Хабаровск (4212)92-98-04  
Челябинск (351)202-03-61  
Череповец (8202)49-02-64  
Ярославль (4852)69-52-93

Киргизия (996)312-96-26-47

Казахстан (772)734-952-31

Таджикистан (992)427-82-92-69

Эл. почта [bdg@nt-rt.ru](mailto:bdg@nt-rt.ru) || Сайт: <http://badger.nt-rt.ru>