

Архангельск (8182)63-90-72
Астана (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

Россия (495)268-04-70

Казахстан (772)734-952-31

<https://welker.nt-rt.ru/> || wrc@nt-rt.ru

BRING YOUR SYSTEM IN FROM THE COLD

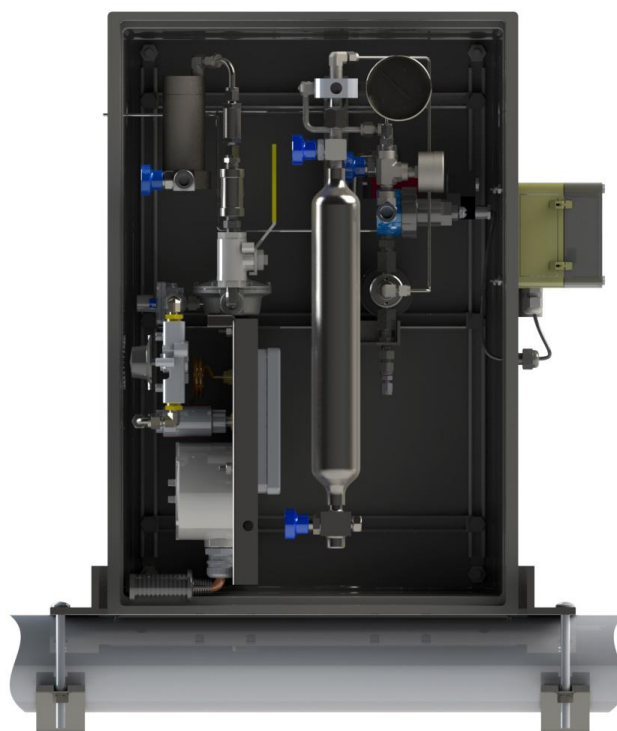
Temperatures near or below the hydrocarbon dew point can cause sample distortion. Where phase change is a concern, the Welker HGS Heated Gas Sampler can help. Contained within an insulated enclosure, the HGS mounts directly to the pipeline. The heater maintains a temperature above the hydrocarbon dew point for representative composite samples. Connect your sample probe to the sampler subassembly to collect fresh samples proportional to flow or time.

The HGS is ideal for natural gas at or near the hydrocarbon dew point.

IOMIOM-095

Data SheetHGS Data Sheet

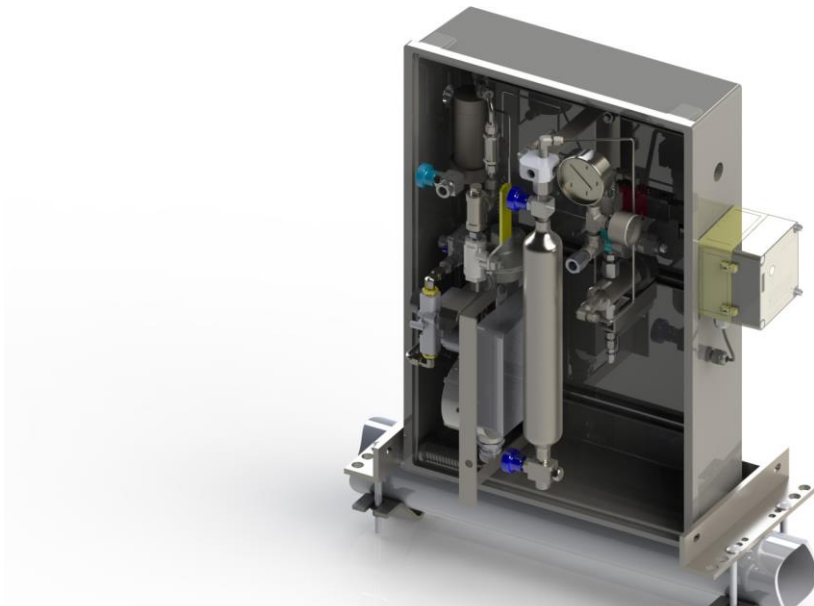
Complies WithGPA 2166, API 14.1, ASTM D5287, ISO 10715



FRESH OFF THE PIPELINE

COLLECT REPRESENTATIVE SAMPLES

The HGS features **Welker's Fresh Sample System™**. This self-purging design ensures a fresh, representative sample grab during each sample cycle when connected to a sample probe inserted into the center one-third of the flowing stream.



POINT OF NO RETURN

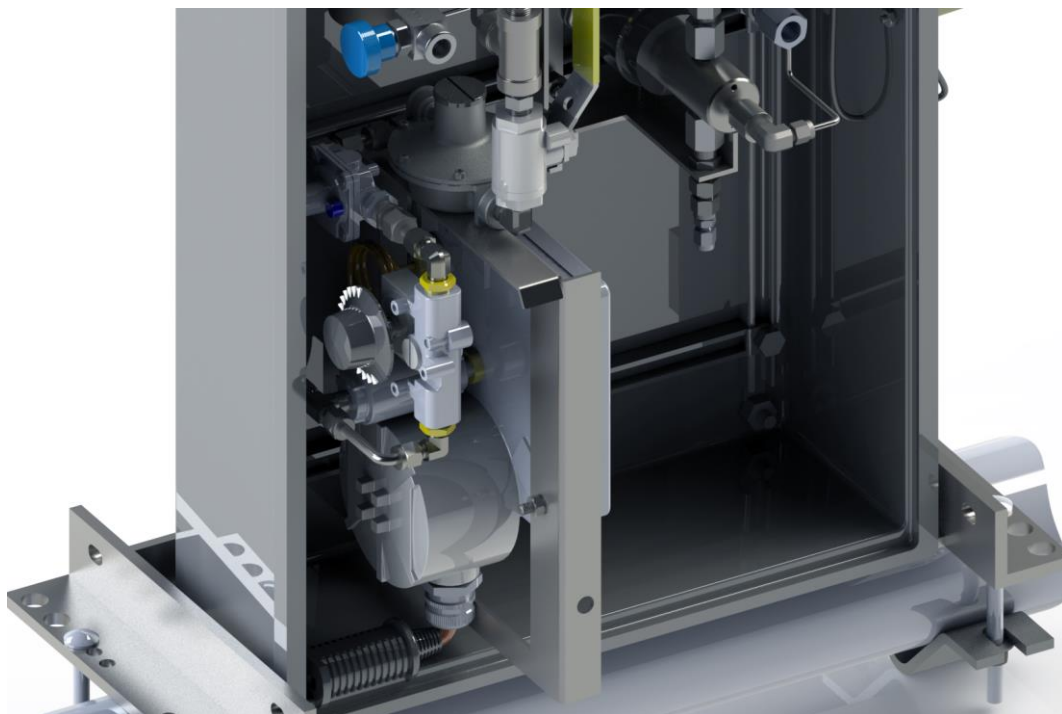
BACKFLOW PROTECTION

The sample pump's inline relief protects sample representativeness during fluctuations in pipeline pressure. Acting as a check valve, the inline relief keeps your samples in the sample cylinder. If pipeline pressure drops, rest assured sample won't flow from your cylinder back to the pipeline.

CLEAR THE WAY

INTEGRATED PURGE MANIFOLD

Don't let residual impurities distort your sample. Air or previous samples can impact sample accuracy if not properly removed. Purge your sample cylinder before each collection period as recommended using the integrated purge manifold.



TURN UP THE HEAT

HEATER OPTIONS

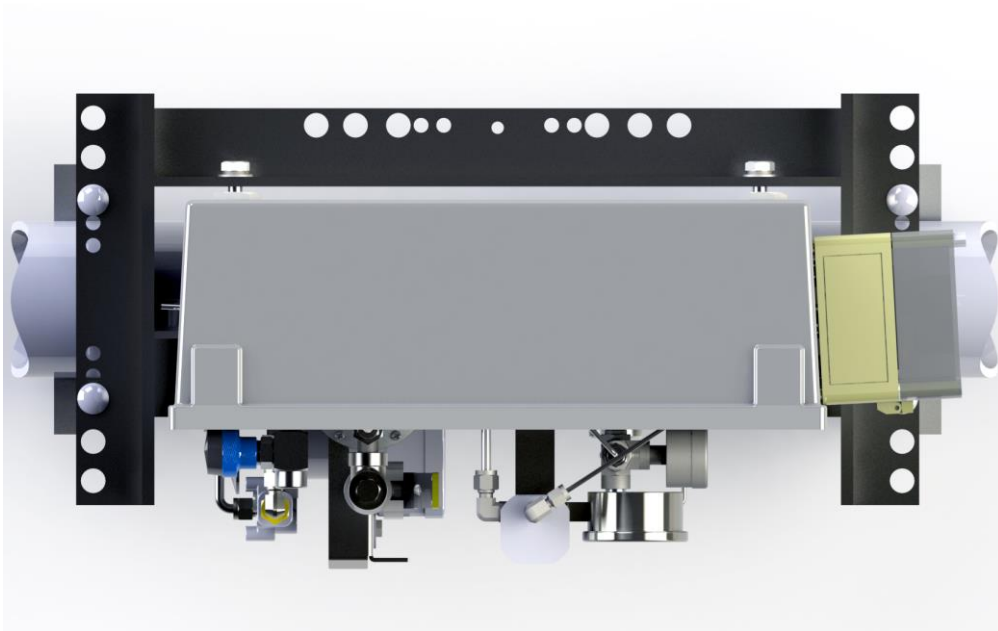
Catalytic or electric heater? It's up to you. The HGS comes with a thermostat so you can set the heater to maintain the internal temperature 30 °F above the hydrocarbon dew point. Easily monitor the internal temperature on site at the external gauge.

PACKING HEAT

INSULATED CORROSION-RESISTANT ENCLOSURE

Insulation helps the heater maintain the desired temperature inside the enclosure. Made from corrosion-resistant material, the enclosure is strong yet light weight. Dust tight and boasting water protection, the sturdy enclosure allows the HGS to withstand harsh environments. Mounted directly on the pipeline, the enclosure shields samples from the effects of ambient conditions.





ALL FOR ONE, ONE FOR ALL

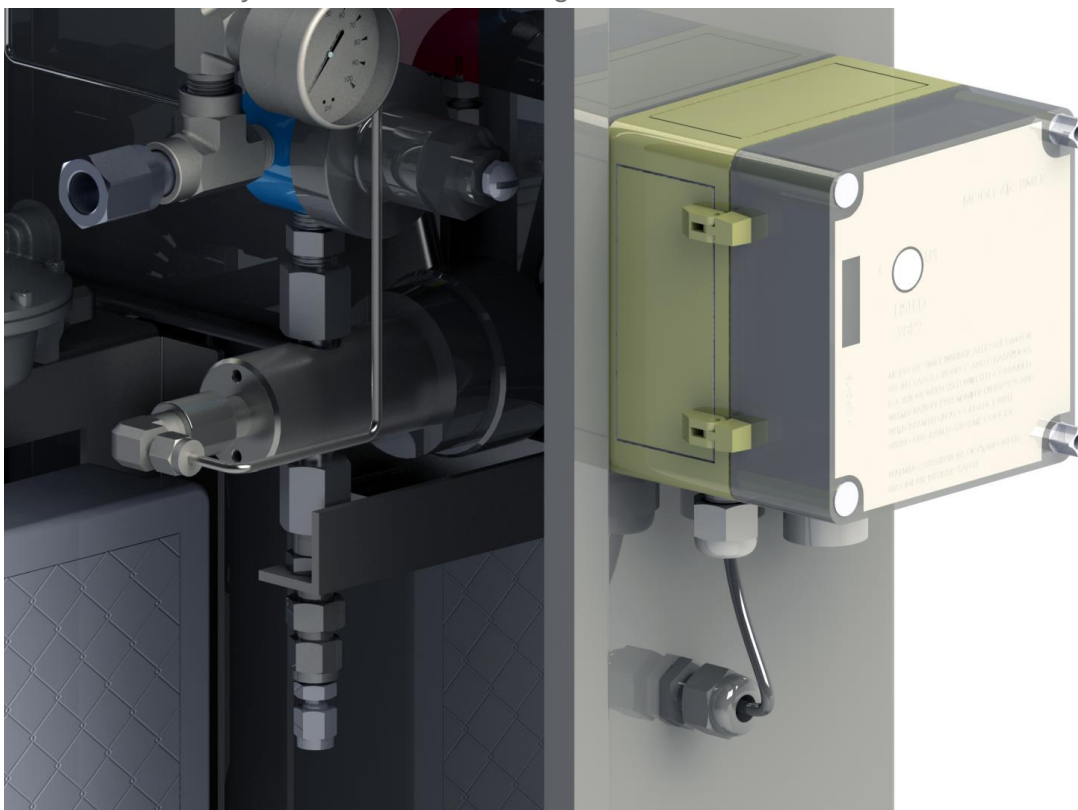
MODULAR DESIGN

The design of the HGS is purposefully universal. Easily rearrange the sampler and heater subassemblies within the enclosure to optimize the layout for your installation. A single bracket allows for parallel or perpendicular mounting on pipelines from 2" to 8".

TIMING IS EVERYTHING

OPTIONAL TIMING SYSTEM

No external power supply? No problem! The long-lasting lithium battery pack of the optional Welker 6Tc Timer/Controller can power the HGS. Set the 6Tc for proportional to flow or time-based sampling. This UL listed intrinsically safe controller is designed for hazardous areas.



SPECIFICATIONS

HGS HEATED GAS SAMPLER

Materials of Construction

316/316L Stainless Steel Wetted Parts, Anodized Aluminum Non-Wetted Parts, Carbon Steel, Polyester/Propylene (Enclosure), PTFE, Teflon®, and Viton®

Actuation Connection

1/4" FNPT

Product Inlet

1/8" FNPT

Relief Outlet

1/4" FNPT

Utility Requirements

Pneumatic: 65-70 psig

Electrical Connections

Electric Heater: AC 110 V**Solenoid:** DC 12 V or DC 24 V

Sample Volume

0.25 cc

Container Volume

300 cc

500 cc

Operation

MPS-2: Piston-Operated

Operating Pressure

1440 psig MAOP @ -20 °F to 120 °F

Industry Standards

Complies with GPA 2166, API 14.1, ASTM D5287, ISO 10715

Архангельск (8182)63-90-72
Астана (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

Киргизия (996)312-96-26-47

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

Россия (495)268-04-70

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

Казахстан (772)734-952-31

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

<https://welker.nt-rt.ru/> || wrc@nt-rt.ru