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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

ISOKINETIC BYPASS CRUDE OIL SAMPLER

The ideal sampler for bypass sampling systems, the Welker inLoop™ ACE Crude Oil Sampler collects repeatable representative samples of light and medium crude oil and refined hydrocarbons.

IOM IOM-224

Data Sheet inLoop™ ACE Data Sheet
Share



NO RESTRICTIONS

QUALITY SAMPLE GRABS

Collect representative samples with the inLoop™ ACE. The large bore in the body of this inline sampler does not restrict the flow rate of product through the fast loop, thus ensuring the collection of isokinetic samples. Add the purge option to further improve sample representativeness by reducing the risk of cross-contamination between sample batches.

OUTER LIMITS

EXTERNAL SAMPLE VOLUME ADJUSTMENT

With an externally adjustable sample volume, the inLoop™ ACE can be easily set from 0.5–5 cc to suit your sampling requirements. This larger range of sample volumes means the sampler does not have to be operated as fast as similar samplers, which in turn prevents wear and tear.



THE NEED FOR SPEED

HIGH-SPEED CAPABLE

The size of the actuation ports improves the flow of hydraulics or pneumatics, allowing for high-speed sampling for short batches. Depending on product viscosity and operating pressure, the inLoop™ ACE is capable of collecting up to 30 sample grabs per minute.

OUT WITH THE OLD, IN WITH THE NEW

UPGRADE TO WELKER

Customizable process connections enable the inLoop™ ACE to easily fit in an existing installation as part of a retrofit or be the centerpiece of a new system.



SPECIFICATIONS

INLOOP™ ACE CRUDE OIL SAMPLER

inLoop™ ACE

Materials of Construction

316/316L Stainless Steel Wetted Parts, (Anodized)
Aluminum Non-Wetted Parts

Seal Material Options

Viton®

Kalrez® Wetted, Viton® Non-Wetted

Viscosity Range

Up to 4000 cP

Process Connection and Operating Pressure Options

1" FNPT or VCO: 1480 psig MAOP @ -20 °F to 100 °F

1" – 150 ANSI Stainless Steel: 275 psig MAOP @ -20 °F to 100 °F

1" – 300 ANSI Stainless Steel: 720 psig MAOP @ -20 °F to 100 °F

1" – 600 ANSI Stainless Steel: 1440 psig MAOP @ -20 °F to 100 °F

Ambient Temperature

-20 °F to 120 °F

Operating Temperature*

20 °F to 200 °F

Utility Requirements

Hydraulic or Pneumatic Supply: 30–200 psig,
Actuation Consumption (per Sample Grab @ 80 psig): 0.06 ft³

Sample Volume

0.5–5 cc (Adjustable)

Sample Grab Rate

Up to 30 Grabs per Minute**

Industry Standards

Complies With API 8.2 and ISO 3171

*Contact Welker for Special Requirements
** Sample Grab Rate Dependent on Product Viscosity and Operating Pressure

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