

GERSTEL
certified **SUPPLIES**



**Olfactory Detection Port
ODP**



**Preparative Fraction Collector
PFC**



GERSTEL® - Olfactory Detector Port, OPD

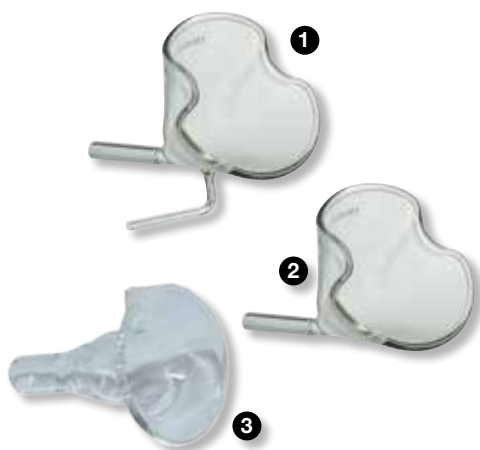
The GERSTEL OPD allows olfactory detection of compounds using the human nose. Olfactory detection is performed in parallel to GC detection with FID, FPD or MSD detectors as compounds elute from the GC column. The effluent is split as it leaves the column, arriving simultaneously at the nose and at the detector, enabling the analyst to gain additional information on odor-active compounds. Using a headset with a microphone coupled to voice recognition software, the analyst can insert spoken comments directly into the chromatogram for peak annotation and into the analysis report. The OPD 3 model is equipped with a heated mixing chamber.



ODP 2



ODP 3



Nose cones

| | Part No. |
|---|---------------|
| 1 for use with ODP 1/2 with humidifier | 006285-000-00 |
| 2 for use with ODP 1/2 without humidifier | 008012-000-00 |
| 3 for use with ODP 3 | 015346-000-00 |

GRAPHPACK® 3D/2 column connector with 1/16" gas connection, Sulfinert®

| Column OD | Column OD | |
|-----------|-----------|---------------|
| 0.80 | 0.45 | 013508-145-00 |



Silicone tubing for connecting nose cone and humidifier vial

| | |
|-----|---------------|
| 2 m | 008647-000-00 |
|-----|---------------|



Humidifier vial

| | |
|--------|---------------|
| 1 unit | 008204-000-00 |
|--------|---------------|



Outer O Ring (Viton) for ODP 3 mixing chamber

| | |
|---------------------|---------------|
| 1 package (5 units) | 015428-005-00 |
|---------------------|---------------|

Order no.

Set for parallel detection, Sulfinert®

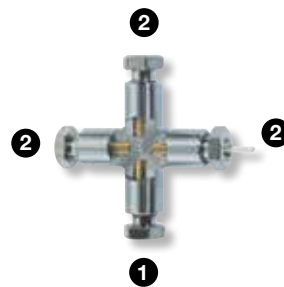
for Agilent MSD and GC Detectors in conjunction with GERSTEL ODP

| main column OD | splitter/restrictor capillary OD | |
|----------------|----------------------------------|---------------|
| 0.31 | 0.40 | 013493-031-00 |
| 0.45 | 0.40 | 013493-045-00 |
| 0.70 | 0.40 | 013493-007-00 |



GRAPHPACK 3D/2 crosspiece, Sulfinert®

| 1 main column OD | 2 splitter/restrictor capillary OD | |
|---------------------|---------------------------------------|---------------|
| 0.31 | 0,40 | 012240-031-00 |
| 0.45 | 0.40 | 012240-045-00 |
| 0.70 | 0.40 | 012240-007-00 |



GRAPHPACK 2M detector adapter

| | |
|---|---------------|
| MSD HP 5971/5972 GCD Series G 1800 A | 006511-040-00 |
| HP 5890 A and Series II and Agilent 6850/6890 | 006508-040-00 |



Spare parts

GRAPHPACK nut

for all GRAPHPACK adapters;

| | |
|---------------------|---------------|
| 1 package (5 units) | 001268-005-00 |
|---------------------|---------------|



Splitter/restriction capillaries

| OD/ID | length | units | |
|-------------------|--------|-------|---------------|
| 0.36 mm / 0.10 mm | 1 m | 1 | 006558-001-00 |
| 0.36 mm / 0.10 mm | 5 m | 1 | 006558-005-00 |
| 0.36 mm / 0.10 mm | 10 m | 1 | 006558-010-00 |
| 0.36 mm / 0.15 mm | 2 m | 1 | 005344-002-00 |
| 0.36 mm / 0.15 mm | 5 m | 1 | 005344-005-00 |



Set for parallel detection 2-way splitter

Order no.

| main column OD | splitter/restrictor capillary OD | |
|----------------|----------------------------------|---------------|
| 0.45 | 0.40 | 018462-045-00 |



Set for parallel detection 3-way splitter

| main column OD | splitter/restrictor capillary OD | |
|----------------|----------------------------------|---------------|
| 0.45 | 0.40 | 018461-045-00 |



GERSTEL μ FlowManager Splitter - μ Split 2-way

| 1 main column OD | 2 splitter/restrictor capillary OD | |
|----------------------------|--|---------------|
| 0.45 | 0.40 | 018178-900-00 |



GERSTEL μ FlowManager Splitter - μ Split 3-way

| 1 main column OD | 2 splitter/restrictor capillary OD | |
|----------------------------|--|---------------|
| 0.45 | 0.40 | 018179-900-00 |

GERSTEL μ FlowManager ferrules

1 package (10 units)



| Column OD | |
|-----------|---------------|
| 0.40 | 018182-010-00 |
| 0.45 | 018183-010-00 |

GERSTEL μ FlowManager screws

for all μ FlowManager adapters



| | |
|---------------------|---------------|
| 1 packet (10 units) | 018185-010-00 |
|---------------------|---------------|

GERSTEL® Preparative Fraction Collector, PFC

The GERSTEL PFC is used for purification and collection of compounds or compound classes following separation by capillary gas chromatography. Compounds are automatically and selectively collected in up to six different traps that can be heated or cooled depending on the needs for the type of compounds. Highly accurate switching between the traps enable the analyst to collect and accumulate compounds with high purity and high yield from up to 150 GC runs. A seventh trap is available to collect all compounds not collected in the main traps. These compounds can be saved for further analysis or for conducting "subtraction studies" of key compounds.



Trap adapter

for traps 1 µL – 100 µL

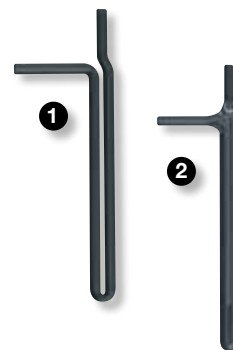
Part No.

10 unit **011229-000-00**



Sample traps

- 1 1 µL**
 - 1 package (10 units) **005507-010-00**
 - 1 package (50 units) **005507-050-00**
- 2 100 µL**
 - 1 package (10 units) **005509-010-00**
 - 1 package (50 units) **005509-050-00**



Teflon ferrules for sample traps

1 package (10 units)

ID 3.0 mm; for traps
1 µL und 100 µL **005002-010-00**



Sample traps, coiled

1 package (10 units)

1 µL **006633-010-00**



Teflon ferrules for sample traps

1 package (10 units)

ID 1.8 mm
for 1 µL, coiled traps **005002-028-00**



Transfer capillary

deactivated; 1 package (5 units)

OD 0.45 mm, L = 870 mm **005010-000-00**

Capillary for sample trap

deactivated

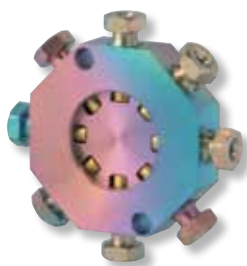
OD 0,45 mm
180 mm, 5 units **005014-000-00**
5 m, 1 unit **005014-005-00**
10 m, 1 unit **005014-010-00**

Order no.



GRAPHPACK® 3D/2 ferrule kit for PFC

1 kit **006761-000-00**



GRAPHPACK 3D/2 switching device for PFC, Sulfinert®

complete

Important note

Switching devices are available only for customers with a GERSTEL® Preparative Fraction Collector.

1 unit **012218-045-00**



GRAPHPACK 3D/2 effluent splitter for FID, Sulfinert®

for HP 5890 II, Agilent / HP 6890

column OD 0.70 mm **012219-007-00**

Replacement

Fixing nut

1 unit **001268-005-00**

Restriction capillary

deactivated,
0.40 mm OD, 0.05 mm ID

length

80 mm (5 units) **007304-001-00**

5 m (1 unit) **007304-005-00**

10 m (1 unit) **007304-010-00**



Silicone tubing for PFC

for connecting component traps to solenoid valve

10 m **007593-000-00**

GRAPHPACK® 3D/2 mounting tool kit for switching device

For the rapid creation of low-dead-volume connections when using the PFC switching device. Suitable for all capillary columns with outside diameters 0.45 mm.

Order no.



complete kit **006752-000-00**

Spare parts

GRAPHPACK mounting tool

single, without insert **003424-000-00**



Insert for 3.0 mm mounting depth

Color: silver

1 unit **008994-005-00**



Insert holder

Column OD
0.45 mm **008995-045-00**



GRAPHPACK 3D/2 sealing ferrule

1 package (5 units)

| Column OD (mm) | Order no. |
|----------------|----------------------|
| 0.31 | 006520-031-00 |
| 0.40 | 006520-040-00 |
| 0.45 | 006520-045-00 |
| 0.70 | 006520-007-00 |





GERSTEL GmbH & Co. KG

Eberhard-Gerstel-Platz 1
45473 Mülheim an der Ruhr
Germany

-  +49 (0) 208 - 7 65 03-0
-  +49 (0) 208 - 7 65 03 33
-  gerstel@gerstel.com
-  www.gerstel.com

GERSTEL Worldwide

GERSTEL, Inc.

701 Digital Drive, Suite J
Linthicum, MD 21090
USA

-  +1 (410) 247 5885
-  +1 (410) 247 5887
-  sales@gerstelus.com
-  www.gerstelus.com

GERSTEL LLP

10 Science Park Road
#02-18 The Alpha
Singapore 117684

-  +65 6779 0933
-  +65 6779 0938
-  SEA@gerstel.com
-  www.gerstel.com



GERSTEL AG

Wassergrabe 27
CH-6210 Sursee
Switzerland

-  +41 (41) 9 21 97 23
-  +41 (41) 9 21 97 25
-  swiss@ch.gerstel.com
-  www.gerstel.ch

GERSTEL Brasil

Av. Pascoal da Rocha Falcão, 367
04785-000 São Paulo - SP Brasil

-  +55 (11)5665-8931
-  +55 (11)5666-9084
-  gerstel-brasil@gerstel.com
-  www.gerstel.com.br

GERSTEL K.K.

1-3-1 Nakane, Meguro-ku
Tokyo 152-0031
SMBC Toritsudai Ekimae Bldg 4F
Japan

-  +81 3 5731 5321
-  +81 3 5731 5322
-  info@gerstel.co.jp
-  www.gerstel.co.jp

Information, descriptions and specifications in this Publication are subject to change without notice.

Ver. 2015/02/11

To download the latest version, please go to : www.gerstel.com/en/supplies.htm

GERSTEL, GRAPHPACK and TWISTER are registered trademark of GERSTEL GmbH & Co. KG

©Copyright by GERSTEL GmbH & Co.KG

Agilent is trademark of Agilent Technologies, Inc.; Carbotrap B and Carbotrap C are trademarks of Sigma-Aldrich Biotechnology L.P.; HP is trademark of Hewlett-Packard Development Company, L.P.; Kalrez® and Viton® are trademarks of Dupont Performance Elastomers; Teflon® is trademark of E. I. Du Pont de Nemours & Company; Tenax® TA is trademark of Buchem B.V.



Awarded for the active pursuit of environmental sustainability