PFEIFFER VACUUM

Vacuum solutions from a single source

Vacuum generation

Rotary vane pumps

Single-stage



UnoLine
Pumping speed
4.8 to 35 m³/h



HenaLine
Pumping speed
25 up to 1,920 m³/h



UnoLine Plus
Pumping speed
250 to 500 m³/h



Pascal
Pumping speed
5.4 up to 16.5 m³/h

Two-stage



DuoLine
Pumping speed
1.25 up to 300 m³/h



Pascal
Pumping speed
5.4 up to 66 m³/h

Dia-phragm pumps



MVP
Pumping speed
0.25 up to 9.6 m³/h

Scroll pumps



HiScroll
Pumping speed
6 up to 18 m³/h

Screw pumps



HeptaDry
Pumping speed
110 up to 630 m³/h

Multi-stage Roots pumps

Light duty



ACP 15-40
Dry and compact



A 100 L/A 200 L
Integrated
load lock pump



ACP 120/
ACG 600
Dry, for industrial
application

Medium duty



A3P Series
Energy efficient
process pump

Harsh duty



A4 Series
Harsh processes for
semiconductor industry



ADH Series
Harshest process
applications in
semiconductor industry
and coating

Roots pumps

Air cooled



OktaLine
Pumping speed
300 up to 25,000 m³/h



HiLobe
New generation of
Roots pumps.
Pumping speed
520 up to 2,100 m³/h

Gas cooled



OktaLine G
Pumping speed
500 up to 12,000 m³/h

ATEX



OktaLine ATEX
Pumping speed
500 up to 4,000 m³/h

Roots pumping stations

With OktaLine Roots pump



CombiLine W-series
Ulitmate pressure
up to 5 · 10^{-3} mbar

With HiLobe Roots pump



CombiLine R-series
Ulitmate pressure
up to 5 · 10^{-4} mbar

Customized pumping stations



CombiLine
Ulitmate pressure
up to 1 · 10^{-3} mbar

Turbopumps

Hybrid bearing



HiPace
Pumping speed
10 up to 2,000 l/s

Magnetically levitated



ATH M/HiPace M
Pumping speed
255 up to 3,000 l/s

Multi-stage



SplitFlow
Pumping speed
according to requirement

Turbo pumping stations

Compact



HiCube Eco
Pumping speed
35 up to 67 l/s

Standard



HiCube Classic
Pumping speed
35 up to 685 l/s

High performance



HiCube Pro
Pumping speed
35 up to 685 l/s,
short pump-down time

Leak detection and leak testing

Leak detectors

Portable



ASM 310
Mobile service use

Multipurpose



ASM 340 / D / I
High performance
all-rounder

High performance



ASM 390/392
Dry and mobile



ASM 182 T
Robust industry
standard



ASM 192 T
Flexible console
devices

Workstation



ASM 1002
Ergonomical
test station

Modular



ASI 35
Industrial leak
detection systems

Sniffing leak detection



ASM 306 S
Dry and portable

Micro-Flow (Air)



E2
Testing with air in
pressure conditions

Mass Extraction



E-PDQ
Testing with air in
pressure and vacuum
conditions



ME2
Testing with air in
vacuum conditions

CCIT



AMI 1000
Integrity test solution
for pharmaceutical
blister packs

Vacuum analysis

Analysis equipment

Residual gas analysis

PrismaPro
Mass spectrometer
Mass range
1-300 amu

Gas analysis

HiQuad
Mass spectrometer
Mass range
1–2048 amu

OmniStar/
ThermoStar
Compact benchtop
analysis system

HPA
High Pressure Analyzer
Pressure range
up to 50 mbar

SPM
Sputter Process Monitor
Pressure range
up to 10 mbar

Vacuum measurement

Vacuum measurement equipment

Analog

ActiveLine
Total pressure
measurement

Digital

DigiLine
Total pressure
measurement

Modular

ModulLine
Total pressure
measurement for R&D

Handheld

TPG 201/202
Total pressure
display on the process
chamber itself

Ion beam technology

Ion sources and optics

Ion sources

Dresden EBIS-A
Ion source for
highly charged ions

Dresden ECRIS
2.45GHz
Ion source for low
charge states
higher currents

Ion beam diagnostics

Wien filter
Diagnostic element for
Energy filtering and
particle separation

Faraday cup
Diagnostic element for
beam current
measurement

Ion beam optics

Beam deflection
optics
Electrostatic or
magnetic elements
for beam guidance and
-shaping

Vacuum chambers and components

Chambers

Standard

TrinosLine
Cubical, horizontal,
vertical, modular

Customized

TrinosLine
Customized for specific
customer applications

Components, valves, manipulators

Components

ISO-KF, ISO-K,
ISO-F, CF, COF

Hoses and flex connectors

ISO-KF, ISO-K, CF

Glass elements

ISO-KF, ISO-K,
ISO-F, CF

Customized elements

Customized for specific
customer applications

Valves

Shut-off valves,
gas dosing valves

Throttling butterfly valves

High actuation speed

Throttling pendulum valves

Ultra-fine position
resolution

Pneumatic valves

Isolation valve intended
for use in UHV
applications

Feedthroughs

Electrical, fluids,
thermocouple,
combinations

Mechanical feedthroughs

Bellow-sealed,
elastomer-sealed,
magnetic-coupled

Manipulators

X-, Y-, Z-motion,
rotation, tilting

System technology

Plant construction

Contamination Management Solutions

APA
Monitoring
of contamination

APR
Removal
of contamination

ADPC
Removal
of contamination

Multi-stage vacuum process

Vacu²
For die casting
processes

Calibration systems

Calibration
systems
for gauges

Ion beam plants

Ion irradiation facility
Complete system
existing from ion source,
Beam guidance and
beam diagnostics

Service

Service solutions

Worldwide quality

Representatives
worldwide

Genuine parts

Training courses

Maintenance

Calibration

Replacement