

Duotek Air operated double diaphragm pumps





info@createflow.cz www.createflow.cz Craete Flow s.r.o.

tel: 00420 722 712 652

SEKO's Duotek pumps are reknown for their flexibility in pumping difficult liquids at low pressure and flow.

SEKO's Duotek pumps come in many sizes and choices of materials of construction. Almost every type of liquid from highly corrosive acids through high viscosity paints and adhesives, to food and drink products can be pumped. The range of applications is virtually limitless.

Performance

- Variable flow and head pressures, easy to adjust, without sophisticated controls
- Portable and compact for multi-location use, optionally with trolley
- Handles liquids with solids particles: ideal for abrasive and viscous media
- Special Air system: lube-free, non-stall, non-freeze
- Wide Range of sizes and materials suited to variety of conditions and chemical fluids
- Efficient performance: high flow rates through optimal casing designs
- Self-priming dry up to 6 meters: works in suction lift applications
- Efficient air distribution design: low air consumption
- Can customize to specific applications: multiple porting options available along with interface options
- Safe "dead head" function, against closed discharge, without pump damage

Reliability

- 100% wet tested after final assembly: deadheading, priming, and sealing
- All plastic air system: strong and corrosion resistant in harsh environments
- Dry-run without damaging the pump or system: seal-less design
- Service ability: easily maintained and quickly without any special tools

Security

- ATEX certifications in all versions: Conductive plastic pumps available
- Special air exhaust: Designed to operate at low noise levels
- Fully submersible: can be submerged completely according to fluid compatibility
- All Bolted Construction: provides maximum leak resistance and safety





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Markets and Applications

Air operated double diaphragm pumps are some of the most versatile solutions on the market. They can be used in a variety of installations in numerous applications.

- AUTOMOTIVE
- AGRICULTURE
- MECHANICAL
- CHEMICAL
- CERAMIC
- FOOD
- BIODIESEL
- CERAMIC
- TEXTILE AND LEATHER
- PAINT AND VARNISH

- NAVAL AND
- PETROCHEMICAL
- PULP AND PAPER
- MINING
- PHARMACEUTICAL
 AND COSMETIC
- GALVANIC
- OIL & GAS
- WATER TREATMENT
- PRINTING INKS

Why choose Duotek

| | \odot | 5 | | | Peter. | | 2 |
|------------------------------|--------------|-------------|------|------|--------|-------------|--------|
| Pump type | AODD | CENTRIFUGAL | LOBE | GEAR | SCREW | PERISTALTIC | PISTON |
| Variable Flow & Head Control | √ | √ | √ | √ | ! | ! | √ |
| Deadhead Safely | \checkmark | √ | 1 | 1 | ! | 1 | ! |
| Dry-Running | \checkmark | x | X | X | X | X | Х |
| Dry Self-Priming | \checkmark | x | X | √ | X | √ | 1 |
| No Mechanical Alignment | \checkmark | x | X | X | X | X | X |
| No Electrical Installation | \checkmark | x | X | X | X | X | X |
| Portability | \checkmark | √ | ! | 1 | ! | √ | 1 |
| Submersible | \checkmark | 1 | X | X | X | X | 1 |
| Seal-less | √ | ! | ! | 1 | 1 | ! | 1 |
| Cavitation Tolerance | \checkmark | x | ! | 1 | √ | 1 | 1 |
| Low Shear & Degradation | √ | X | √ | √ | 1 | 1 | 1 |

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 $\sqrt{}$ = Suitable ! = Limitations X = Not Recommended

Materials PUMP CASING

Polypropylene



P Polypropylene: Wide chemical compatibility. General purpose.





C Conductive Polypropylene: Wide chemical compatibility. General purpose. Groundable.

PVDF+CF



K Conductive PVDF: Strong chemical resistance to acids. High temperature resistance. Groundable.

РОМс



M Acetal: Wide range of solvent and hydrocarbons resistance. Good level of abrasion resistance.

POMc+CF



N Conductive Acetal: Wide range of solvent and hydrocarbons. Good level of abrasion resistance. Groundable.

Aluminium



A Aluminium: Wide range of solvent and hydrocarbons. Good level of abrasion resistance.

SS316



S Stainless Steel 316: High level of corrosion and abrasion resistance.



S Stainless Steel 316 Electropolished: High level of corrosion and abrasion resistance. Food Version.

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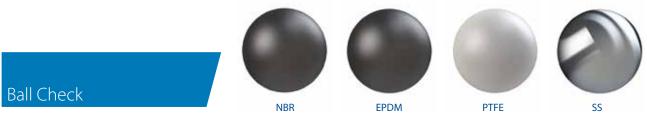
SS316 Electropolished

Craete Flow s.r.o.

Materials



NBR Good for petroleum-based fluids, water, oils, hydrocarbons and MILD chemicals. EPDM OK with caustic solutions, dilute acids, ketones and alcohols. Good abrasion resistance. PTFE Widest chemical compatibility, extreme corrosion resistance, non-adhesive, high heat resistance. HYTREL Good low temperature properties. Good abrasion resistance. **SANTOPRENE** Solutions and dilute acids.



NBR Good for petroleum-based fluids, water, oils, hydrocarbons and MILD chemicals. EPDM OK with caustic solutions, dilute acids, ketones and alcohols. Good abrasion resistance. PTFE Widest chemical compatibility, extreme corrosion resistance, non-adhesive, high heat resistance. SS High level of corrosion and abrasion resistance. Good for viscous fluids.









POLYPROPYLENE

PVDF

ALLUMINUM

PF

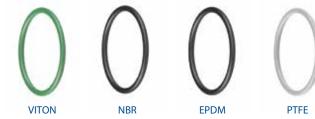
PVDF Strong chemical resistance to acids. High temperature resistance.

POLYPROPYLENE Wide chemical compatibility. General purpose.

ALUMINUM Wide range of solvent and hydrocarbons. Good level of abrasion resistance.

SS High level of corrosion and abrasion resistance.

PE with high molecular weight: High level of abrasion resistance



O-rings

VITON High heat resistance. Good resistance to aggressive chemicals and hydrocarbons. NBR Good for petroleum-based fluids, water, oils, hydrocarbons and MILD chemicals EPDM OK with caustic solutions, dilute acids, ketones and alcohols. Good abrasion resistance. PTFE Widest chemical compatibility, extreme corrosion resistance, non-adhesive, high heat resistance.

Technical features

Un-balanced pilot spool, precisely controls positioning of the main power spool to eliminate stalling and increase efficiency

Long-lasting diaphragm construction ensures a consistent performance and a longer operating life

Special exhaust chamber with double silencer to expand diffusion passages, reduce the icing and assure low noise level

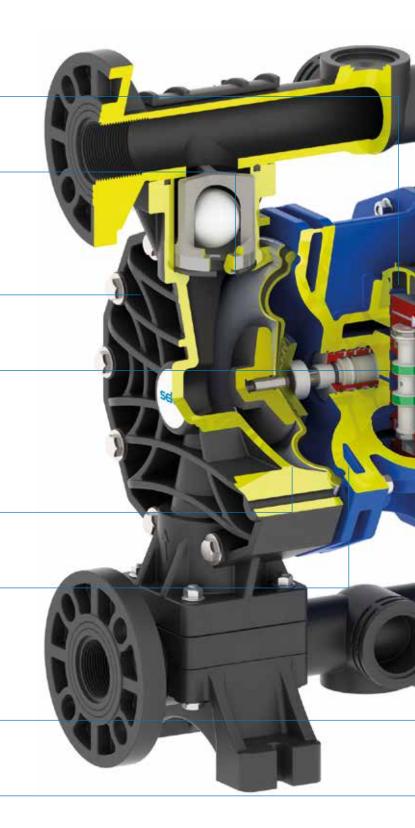
Acetalic shuttle ensures long valve life, autolubricated material

Special pinch clamping, design to minimize wear and increase life of the diaphragm, and provides a uniform seal to avoid leak

Pneumatic exchanger is easily externally accessible for a quick inspection

Solid polypropylene air chambers and plastic air valve for maximum chemical resistance in highly corrosive environments

All bolted design for an effective sealing to extended leak-proof service



Product range

DUOTEK

Air operated double diaphragm pumps made in PP, PVDF, ALUMINIUM, SS AISI 316, POMc with a flow rate from 8 I/min to 1000 l/min and connection from ¼" to 3".

DUOTEK FOOD

Air operated double diaphragm pumps made in SS AISI 316 electro-polished with a flow rate from 8 l/min to 1000 l/ min and Tri-Clamp Connection.

DUOTEK ATEX

Air operated double diaphragm pumps, ATEX certified for zone 1. Made in PP+CF, PVDF+CF, ALUMINIUM, SS AISI 316, POMc+CF with flow rate from 8 l/min to 1000 l/min and connection from ¼" to 3".

DUOTEK ACCURATE

Double diaphragm pumps with remote control made in PP, PVDF, ALUMINIUM, SS AISI 316, POMc with flow rate from 8 l/min to 700 l/min and connection from ¼" to 2".

DUOTEK DRUM

Air operated double diaphragm pumps with special features to empty drums and tanks. made in PP, PVDF, ALUMINIUM, SS AISI 316, POMc with flow rate from 8 l/min to 160 I/min and connection from ¼" to 1".

DUOTEK TWIN

Air operated double diaphragm pumps with special features with double inlet/outlet. Made in PP, PVDF, ALUMINIUM, SS AISI 316, POMc with flow rate from 8 l/min to 700 l/min and connection from 1/4" to 2".

DAMPER

Pneumatic, automatic pulsation dampers made in PP, PVDF, ALUMINIUM, SS AISI 316, POMc, applicable to all sizes of pump. Available also in ATEX or FOOD version.



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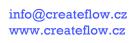


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Duotek - Key Code

| | | Field 1 | Field 2 | Field 3 | Field 4 | Field 5 | Field 6 | Field 7 | Field 8 | Field 9 | Field 10 | Field 11 |
|----------|-----------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|
| | | AF | 00 | 0050 | Р | D | Т | D | Р | T | 2 | - |
| | | | | | | | | | | | | |
| Field 1 | Model | ← | | | | | | | | | | |
| Field 2 | Туре | | | | | | | | | | | |
| Field 3 | Series | - | | | | | | | | | | |
| Field 4 | Body Material | - | | | | | | | | | | |
| Field 5 | AIR Diaphragm | | | | | | | | | | | |
| Field 6 | FLUID Diaphragm | | | | | | | | | | | |
| Field 7 | Balls | - | | | | | | | | | | |
| Fleld 8 | Ball Seats | - | | | | | | | | | | |
| Field 9 | O-Rings | | | | | | | | | | | |
| Field 10 | Connections | - | | | | | | | | | | |
| Field 11 | Optional | | | | | | | | | | | |

Field 1

Model AF Pr

Pneumatic Diaphragm Pumps

Field 2

 Type

 00
 Zone 2 ATEX

 X0
 Zone 1 ATEX

| Field 3 | Series | Flow rate [l/m] | Connectic Fluid | ons [BSP] Air | ° Suction lift max [m] | Delivery head max [m] | Solid passing [0mm] | Displac. / cycle [cc] | Viscosity max [cps] |
|---------|--------|--------------------|--|------------------|------------------------------|-----------------------------|---------------------------|-----------------------------|---------------------------|
| | 0007 | 8 | 1/4″ | 4mm | 3 | | 2.5 | 18 | 6,000 |
| | 0018 | 20 | 3/8″ | (| | | 3 | 30 | 12,000 |
| | 0030 | 35 | | 6mm | - 6 | 80 | 3.5 | 65 | 15,000 |
| | 0050 | 55 | 1/2" * 3/4" * 1" * 1"1/4 * | 1/4″ | | | | 140 | 20,000 |
| | 0065 | 70 | | 3/8″ | | | | 200 | 25,000 |
| | 0100 | 110 | | | | | | | 23,000 |
| | 0160 | 170 | | 1/2″ | | | 7.5 | 700 | 35,000 |
| | 0250 | 250 | | | | | | | 000,000 |
| | 0400 | 380 | DN40 - 1"1/2 | | | | 8 | 1,200 | 40,000 |
| | 0700 | 700 | DN50 - 2" | 3/4″ | | | 8.5 | 3,050 | 50,000 |
| | 1000 | 1050 | 3″ ** | 5/4 | | | 10 | 7,000 | 55,000 |
| | | * FLANGED: a | * FLANGED: add the cost of the related KIT | | | | ** THREA | ADED: on reque | st |

 $^\circ\,$ With Dry pump. To WET pump: 9.38m

Max AIR pressure: 8 bar

Field 4 Body Material

| Ρ | Polypropylene + Glass Fiber | |
|---|------------------------------|-------------|
| С | Polypropylene + Carbon Fiber | Field 2: X0 |
| К | PVDF + Carbon Fiber | |
| Α | Aluminium | |
| S | SS 316 | |
| М | POM + Carbon Fiber | |
| Ν | POM | Field 2: X0 |

| HHytrelMSantopreneDEPDMNNBR | Field 5 | AIR Diaphra | agm | |
|-----------------------------|---------|-------------|-----|------------|
| D EPDM | | | Н | Hytrel |
| | | | М | Santoprene |
| N NBR | | | D | EPDM |
| | | | Ν | NBR |

Field 6 FLUID Diaphragm

| Field 7 | E | Balls | |
|---------|---|-------|--------|
| | | Т | PTFE |
| | | S | SS 316 |
| | | D | EPDM |
| | | Ν | NBR |

Field 8 Ball Seats

Field 9

| Р | Polypropylene |
|---|---------------|
| К | PVDF pure |
| S | AISI 316 |
| Α | Aluminium |
| М | РОМс |
| Z | PE |

| D EPDM V FPM T PTFE N NBR | Field 9 | O-Rings | | | |
|--|---------|---------|------|--|--|
| T PTFE | | D | EPDM | | |
| | | V | FPM | | |
| N NBR | | Т | PTFE | | |
| | | N | NBR | | |

| Connecti | ons | |
|----------|-----|--------------------|
| | 1 | BSP Threaded |
| | 2 | Flanged |
| | 4 | Twin connection |
| | 5 | NPT Threaded |
| | 6 | Reinforcement ring |
| | 7 | Extra connections |
| | | |

| Field 9 | Optic | onal | |
|---------|-------|------|--|
| | | - | None |
| | | Е | External pump control WITH solenoid |
| | | D | External pump control WITHOUT solenoid |
| | | | |

Duotek

Air operated double diaphragm pumps

Air operated double diaphragm pumps have long been recognized as the most flexible pumps of the industry for handling difficult liquids at relatively low pressures and flows. The range of applications is virtually limitless. SEKO AODD pumps come in many sizes and choices of materials of construction. Almost every type of liquid from highly corrosive acids through high viscosity paints and adhesives, to food and drink products can be pumped.

Made in PP, PVDF, ALUMINIUM, SS AISI 316, POMc Flow rate from 8 l/min to 1000 l/min Connection from ¼" to 3" ATEX certification for zone 2 EX II 3/3 GD c IIB T135°C



Duotek



Technical data

| Fluid connections | 1/4" BSP |
|----------------------|----------|
| Air connection | 4 mm |
| Max flow rate | 8 l/min |
| Max air pressure | 8 bar |
| Max delivery head | 80 m |
| Max suction lift dry | 3 m |
| Max suction lift wet | 9.8 m |
| Max solid passing | 2.5 mm |
| Noise leve | 62 dB |
| Max viscosity | 6000 cps |







Craete Flow s.r.o.

PVDF+CF POMc tel: 00420 722 712 652

😔 EX II 3/3 GD c IIB T 135°C

Technical data

| Fluid connections | 3/8″ BSP |
|----------------------|-----------|
| Air connection | 6 mm |
| Max flow rate | 20 l/min |
| Max air pressure | 8 bar |
| Max delivery head | 80 m |
| Max suction lift dry | 6 m |
| Max suction lift wet | 9.8 m |
| Max solid passing | 3 mm |
| Noise level | 65 dB |
| Max viscosity | 12000 cps |



PVDF+CF

SS316

Duotek AF30

😔 EX II 3/3 GD c IIB T 135°C

Technical data

| Fluid connections | 1/2″ BSP |
|----------------------|-----------|
| Air connection | 6 mm |
| Max flow rate | 35 l/min |
| Max air pressure | 8 bar |
| Max delivery head | 80 m |
| Max suction lift dry | 5 m |
| Max suction lift wet | 9.8 m |
| Max solid passing | 3.5 mm |
| Noise level | 65 dB |
| Max viscosity | 15000 cps |



POMc







PVDF+CF Craete Flow s.r.o.

POMc SS316 tel: 00420 722 712 652

😔 EX II 3/3 GD c IIB T 135°C

Technical data

| Fluid connections | 1/2″ BSP |
|----------------------|-----------|
| Air connection | 1/4" BSP |
| Max flow rate | 55 l/min |
| Max air pressure | 8 bar |
| Max delivery head | 80 m |
| Max suction lift dry | 6 m |
| Max suction lift wet | 9.8 m |
| Max solid passing | 3.5 mm |
| Noise level | 68 dB |
| Max viscosity | 20000 cps |





ALU

PVDF+CF

SS316

Duotek AF65

😓 EX II 3/3 GD c IIB T 135°C

Technical data

| Fluid connections | 1/2″ BSP |
|----------------------|-----------|
| Air connection | 3/8″ BSP |
| Max flow rate | 70 l/min |
| Max air pressure | 8 bar |
| Max delivery head | 80 m |
| Max suction lift dry | 6 m |
| Max suction lift wet | 9.8 m |
| Max solid passing | 3.5 mm |
| Noise level | 72 dB |
| Max viscosity | 25000 cps |









PVDF+CF Craete Flow s.r.o. ALU

SS316 tel: 00420 722 712 652

😔 EX II 3/3 GD c IIB T 135°C

Technical data

| Fluid connections | 3/4" BSP |
|----------------------|-----------|
| Air connection | 3/8″ BSP |
| Max flow rate | 110 l/min |
| Max air pressure | 8 bar |
| Max delivery head | 80 m |
| Max suction lift dry | 6 m |
| Max suction lift wet | 9.8 m |
| Max solid passing | 3.5 mm |
| Noise level | 72 dB |
| Max viscosity | 25000 cps |
| | |



PP





ALU



PVDF+CF

SS316

Duotek AF160

😓 EX II 3/3 GD c IIB T 135°C

Technical data

| Fluid connections | 1" BSP |
|----------------------|-----------|
| Air connection | 1/2" BSP |
| Max flow rate | 170 l/min |
| Max air pressure | 8 bar |
| Max delivery head | 80 m |
| Max suction lift dry | 6 m |
| Max suction lift wet | 9.8 m |
| Max solid passing | 7.5 mm |
| Noise level | 75 dB |
| Max viscosity | 35000 cps |









PVDF+CF Craete Flow s.r.o. ALU

tel:

SS316 tel: 00420 722 712 652

😔 EX II 3/3 GD c IIB T 135°C

Technical data

| Fluid connections | 1″ 1/4 BSP |
|----------------------|------------|
| Air connection | 1/2" BSP |
| Max flow rate | 250 l/min |
| Max air pressure | 8 bar |
| Max delivery head | 80 m |
| Max suction lift dry | 6 m |
| Max suction lift wet | 9.8 m |
| Max solid passing | 7.5 mm |
| Noise level | 75 dB |
| Max viscosity | 35000 cps |



PP





PVDF+CF

ALU

SS316

Duotek AF400

😓 EX II 3/3 GD c IIB T 135°C

Technical data

| Fluid connections | 1″ 1/2 BSP DN 40 |
|----------------------|-------------------------|
| Air connection | 3/4" BSP |
| Max flow rate | 380 l/min |
| Max air pressure | 8 bar |
| Max delivery head | 80 m |
| Max suction lift dry | 5 m |
| Max suction lift wet | 9.8 m |
| Max solid passing | 8 mm |
| Noise level | 78 dB |
| Max viscosity | 40000 cps |









PVDF+CF Craete Flow s.r.o.

ALU

😔 EX II 3/3 GD c IIB T 135°C

Technical data

| Fluid connections | 2" BSP DN 50 |
|----------------------|--------------|
| Air connection | 3/4" BSP |
| Max flow rate | 700 l/min |
| Max air pressure | 8 bar |
| Max delivery head | 80 m |
| Max suction lift dry | 5 m |
| Max suction lift wet | 9.8 m |
| Max solid passing | 8.5 mm |
| Noise level | 78 dB |
| Max viscosity | 50000 cps |



PP



PVDF+CF

ALU

SS316

Duotek AF1000

😓 EX II 3/3 GD c IIB T 135°C

Technical data

| Fluid connections | 3" BSP DN 80 |
|----------------------|--------------|
| Air connection | 3/4" BSP |
| Max flow rate | 1050 l/min |
| Max air pressure | 8 bar |
| Max delivery head | 80 m |
| Max suction lift dry | 5 m |
| Max suction lift wet | 9.8 m |
| Max solid passing | 10 mm |
| Noise level | 78 dB |
| Max viscosity | 55000 cps |









info@createflow.cz www.createflow.cz **PVDF+CF** Craete Flow s.r.o. ALU

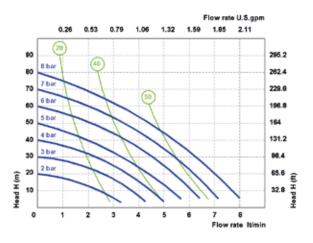
SS316 tel: 00420 722 712 652

Performance curves

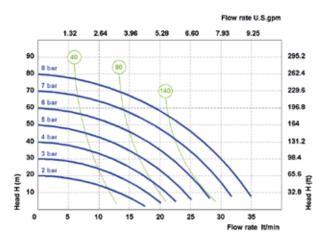
The curves and performance values refer to pumps with submerged suction and a free delivery outlet with water at 20°C, and vary according to the construction material.

• Air supply pressure • Air consumption NIt/min

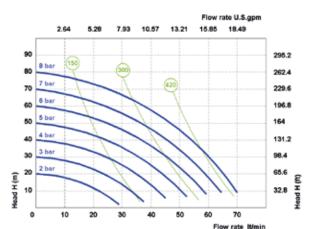
Duotek AF7



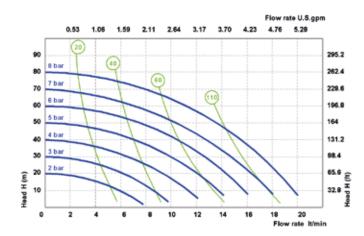
Duotek AF30



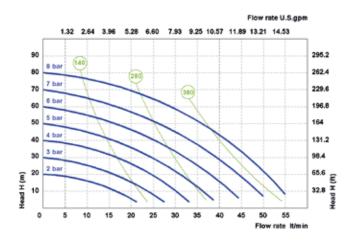
Duotek AF65



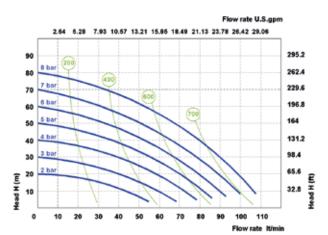
Duotek AF18

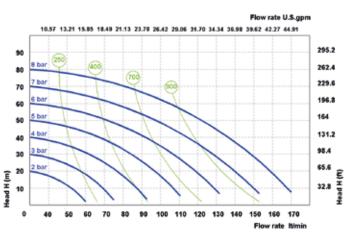


Duotek AF50

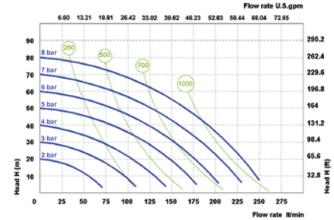


Duotek AF100

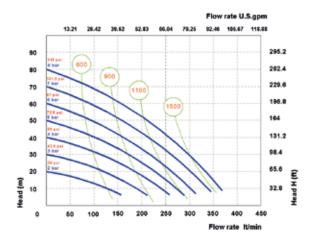




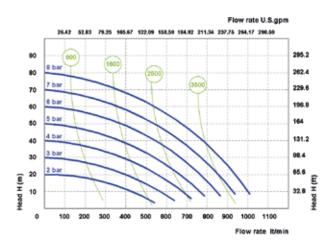
Duotek AF250



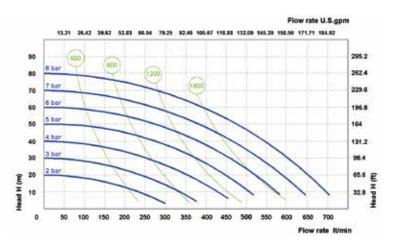
Duotek AF400



Duotek AF1000



Duotek AF700



Duotek Food

Air operated double diaphragm pumps

Made in SS316 electro-polished Flow rate from 8 l/min to 1000 l/min Tri-Clamp Connection ATEX certification Atex zone 2 - EX II 3/3 GD c IIB T 135°C Atex zone 1 - EX II 2/2 GD c IIB T 135°C



Duotek Food



Technical data

| Fluid connections | Tri-Clamp 1/2" |
|-------------------|----------------|
| Air connection | 6 mm |
| Max flow rate | 20 l/min |
| Max air pressure | 8 bar |
| Max viscosity | 12000 cps |



SS316 ELECTRO-POLISHED

Duotek Food AF30



Technical data

| Fluid connections | Tri-Clamp 1" |
|-------------------|--------------|
| Air connection | 6 mm |
| Max flow rate | 35 l/min |
| Max air pressure | 8 bar |
| Max viscosity | 15000 cps |



SS316 ELECTRO-POLISHED

Duotek Food



Technical data

| Fluid connections | Tri-Clamp 1" |
|-------------------|--------------|
| Air connection | 1/4" BSP |
| Max flow rate | 55 l/min |
| Max air pressure | 8 bar |
| Max viscosity | 20000 cps |



SS316 ELECTRO-POLISHED

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Duotek Food AF100



Technical data

| Fluid connections | Tri-Clamp 1" |
|-------------------|--------------|
| Air connection | 3/8″ BSP |
| Max flow rate | 110 l/min |
| Max air pressure | 8 bar |
| Max viscosity | 25000 cps |



SS316 ELECTRO-POLISHED

Duotek Food AF160



Technical data

| Fluid connections | Tri-Clamp 1"1/2 |
|-------------------|-----------------|
| Air connection | 1/2" BSP |
| Max flow rate | 170 l/min |
| Max air pressure | 8 bar |
| Max viscosity | 35000 cps |



SS316 ELECTRO-POLISHED

Duotek Food AF400



Technical data

| Fluid connections | Tri-Clamp 2" |
|-------------------|--------------|
| Air connection | 3/4" BSP |
| Max flow rate | 380 l/min |
| Max air pressure | 8 bar |
| Max viscosity | 40000 cps |



SS316 ELECTRO-POLISHED

Duotek Food



Technical data

| Fluid connections | Tri-Clamp 2"1/2 |
|-------------------|-----------------|
| Air connection | 3/4" BSP |
| Max flow rate | 700 l/min |
| Max air pressure | 8 bar |
| Max viscosity | 50000 cps |



Duotek Food AF1000



Technical data

| Fluid connections | 3" BSP |
|-------------------|------------|
| Air connection | 3/4" BSP |
| Max flow rate | 1050 l/min |
| Max air pressure | 8 bar |
| Max viscosity | 55000 cps |



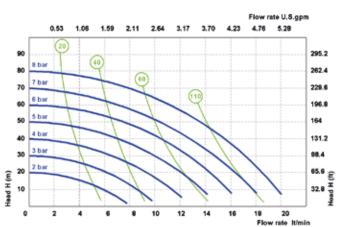
SS316 ELECTRO-POLISHED

Performance curves

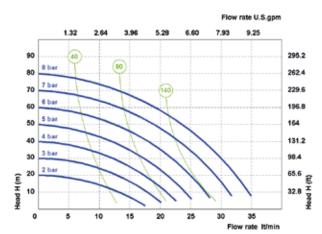
The curves and performance values refer to pumps with submerged suction and a free delivery outlet with water at 20°C, and vary according to the construction material.

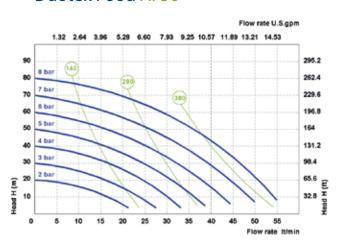
• Air supply pressure • Air consumption NIt/min

Duotek Food AF18



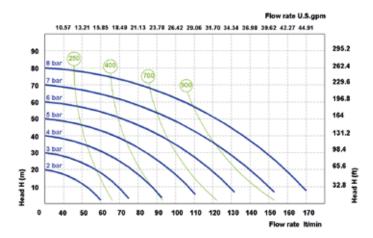
Duotek Food AF30



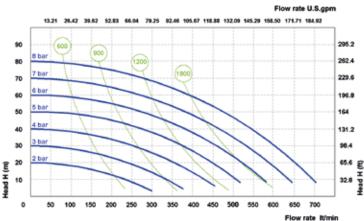


Duotek Food AF50

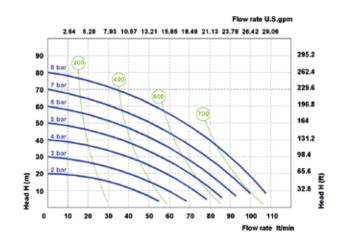
Duotek Food AF160



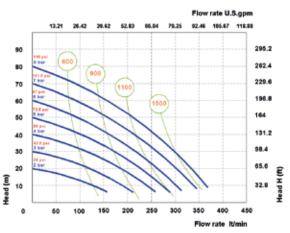
Duotek Food AF700



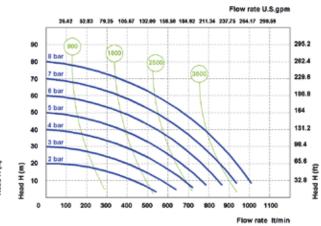
Duotek Food AF100



Duotek Food AF400



Duotek Food AF1000



Special pumps

Air operated double diaphragm pumps with special features

DUOTEK ATEX certification zone1 ATEX ACCURATE DUOTEK remote control DRUM DUOTEK to empty drums and tanks TWIN DUOTEK with double inlet/outlet



Special Pumps Duotek Atex Ex

Technical data

Appropriate submissions have been made to Bureau Veritas to confirm that SEKO AODD pumps and pulsation dampers conform to the ATEX Directive 94/9/CE and are constructed with materials for zone 1 certification.

Main applications

- Petrol-Chemical Industry
- Painting industry
- Flexographic industry
- Automotive industry
- Food industry



Craete Flow s.r.o.

tel: 00420 722 712 652



European ATEX Directive 94/9/CE

- 😔 II 2/2 GD c IIB T 135°C
- 😓 Safety symbols DIN 40012 Annex A
- II Equipment Group surface
- 2/2 Equipment category 2 Level of protection High level Zone 1
- GD Type of explosive atmospheres (group II) G = Gas vapours
 - G = Gas vaD = Dust
- c Equipment protection constructional safety (EN 13463-5).
- **IIB** Group of gas IIB Ethylene. Exclusion of the following products Hydrogen, acetylene, carbon disulphide.

T 135° (T4)

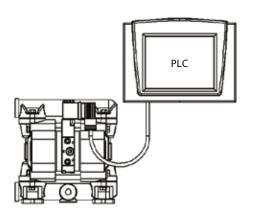
Temperature class (group II): Maximum surface temperature [°C] 135

Special Pumps Accurate Duotek

Technical data

ACCURATE DUOTEK Pumps give you the necessary external pump control for exacting applications such as batching. Featuring a direct electrical interface that utilizes electrical impulses to stroke the pump instead of differential pressure, the ACCURATE DUOTEK provides an easily controlled variable stroke rate.

Note PLC and computer system not included.

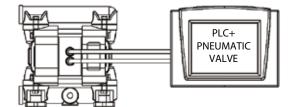


Main applications

- Chemical industry
- Flexographic industry
- Painting industry
- Wastewater technology
- Printing industry

Pumps

AF7; AF18; AF30; AF50; AF65; AF100; AF160; AF250





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Special Pumps Drum Duotek

Technical data

DRUM DUOTEK are designed for emptying drums and containers, and provide an economical and wear resistant alternative to other pumping systems. In order to handle a wide range of fluids, DP pumps are available in all materials. The pump can be quickly and easily mounted on the drum with its feet. The drum will be completely emptied with a suction pipe.

Main applications

- Chemical industry
- Waste disposal technology
- Automotive industry
- Food industry

Pumps AF18; AF30; AF50;

AF65; AF100; AF160

Special Pumps Twin Duotek

Technical data

TWIN DUOTEK are mainly used in the textile and paper processing industry. These dual action pumps are able to transfer two different media independently and simultaneously. This is accomplished by using separate connections on the suction and discharge ports, keeping two pumped media isolated from each other, preventing unwanted mixing.

Main applications

- Chemical industry
- Flexographic industry
- Painting industry
- Wastewater technology
- Printing industry



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Pumps

AF400

AF18; AF30; AF50; AF65;

AF100; AF160; AF250;

Damper

Pneumatic, automatic pulsation dampers

Made in PP, PVDF, ALUMINIUM, SS AISI 316, POMc Applicable to all size of pumps Available also in ATEX or FOOD version



The active pulsation damper is the most efficient way to remove pressure variations on the discharge of the pump. SEKO pulsation damper work actively with compressed air and a diaphragm, automatically setting the correct pressure to minimize the pulsations. Pulsation dampers require minimum maintenance and are, subject to the requirements of the application, available in the same housing and diaphragm materials as the pump.

Applications

- Metering/Injection/Dosing
- Equalizes discharge pressure spikes, increasing accuracy
- Filter Press/In-line Filters
- Increases filter efficiency and life by providing a smooth flow
- Spraying
- Smooth, consistent spray pattern
- Filling
- Eliminates inconsistent filling and splashing.
- Transfer
- Eliminates harmful water hammer, preventing pipe and valve damage



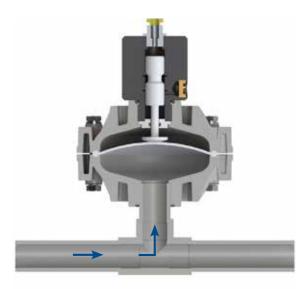
Significant Pulsation Reduction with an average 70% - 80% pulsation reduction in high back pressure applications.

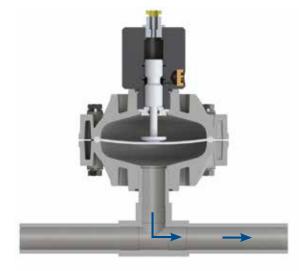
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How it works

The pulsating flow of the discharge forces the diaphragm upwards where it is cushioned by the air in the chamber. The flexing of the diaphragm absorbs the pulsation giving a smooth flow.







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Damper

Technical data

| Fluid connections | 3/4″ |
|-------------------|-------|
| Air connection | 6 mm |
| Max air pressure | 8 bar |









PVDF+CF

PP

(F

ΡΟΜϲ

seko

Damper DAF25

Technical data

| Fluid connections | 1″ |
|-------------------|-------|
| Air connection | 8 mm |
| Max air pressure | 8 bar |











PVDF+CF Craete Flow s.r.o. POMc SS tel: 00420 722 712 652

Damper DAF40

Technical data

APPLY TO 160 - 250 - 400

| Fluid connections | 1″1/2 |
|-------------------|-------|
| Air connection | 10 mm |
| Max air pressure | 8 bar |



POMc

PP

PVDF+CF

SS

Damper DAF50

Technical data

| Fluid connections | 2″ |
|-------------------|-------|
| Air connection | 12 mm |
| Max air pressure | 8 bar |







PVDF+CF Craete Flow s.r.o. ALU

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Accessories



AIR REGULATION KIT Adjust and set air pressure and air flow rate with a filter regulator, pressure gauge and air valve unit.



SWITCH VALVES Remotely start and stop with a solenoid or pneumatic valve for the air pump.



STROKE COUNTER Counts the number of strokes, connected to a control. It allows various types of monitoring.



INOX TROLLEY Allows pumps to be transportable



ANTI VIBRATION FEET KIT Reduces physical vibration from AODD pump operation.



FLANGE CONNECTION KIT Adapt a pump from BSP type connection to flanges with this kit.



DIAPHRAGM FAILURE DETECTION FLUI-GUARD

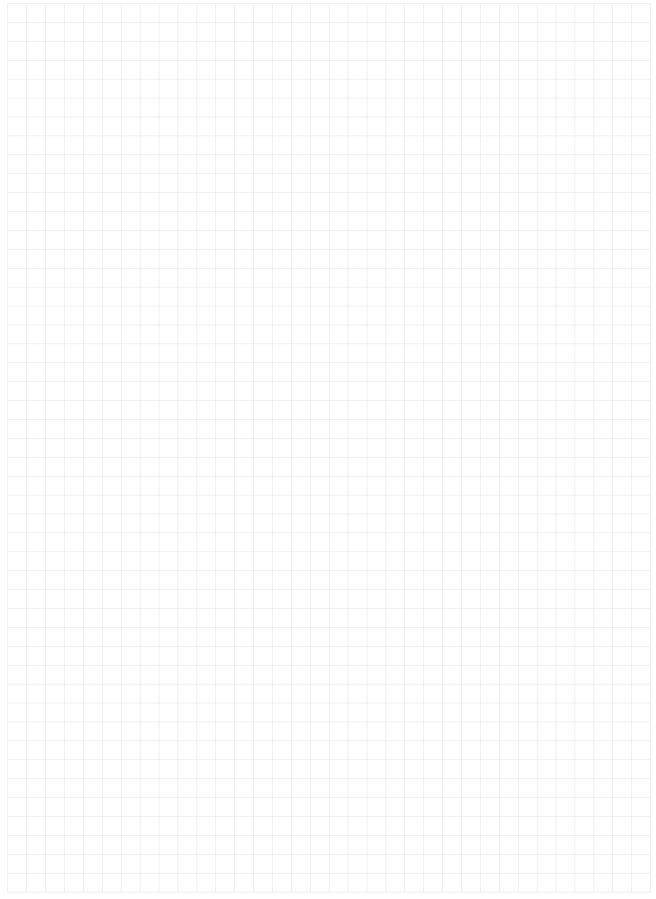
The Electronic Leak Detector provides a signal via warning lights, an audible alarm, and the pump can be shut down.



PNEUMATIC OR ELECTRONIC BATCH CONTROL

Pneumatic and electronic batcher can control any SEKO AODD pump allowing you to set the cycles amount.

Notes



Notes

Notes



Your Choice, Our Commitment

In the modern Globalised world, being a privately owned Company has significant benefits especially for our Customers, our Partners. For over 40 years, SEKO has developed a Global organisation able to take the longer view, manage the pressure of the now, and to plan for the long term, delivering true Partnership for our Customers, with transparency and mutual respect for each other.

Whether it's for our reknown flexibility, our attention to detail, the high-quality products, or just the way we do business, we understand that it's Your Choice to do business with us. It is Our Commitment to fulfill your needs wherever you, our Customers are.



For more information about our portfolio, worldwide locations, approvals, certifications, and local representatives, please visit www.seko.com

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