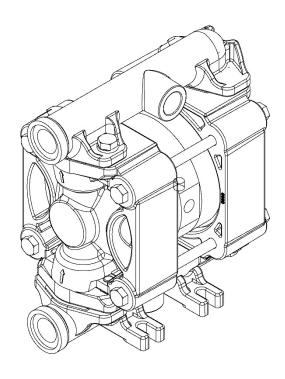
## 0007 - DUOTEK Series - Pneumatic Diaphragm Pumps





#### **Technical data**

Connections:

1/4" o Fluid Air 4 mm 8 I/min Max Flow-rates: Max air pressure: 8 Bar 80 mt Max delivery head:

Max suction head:

Dry 3 mt 0 9.8 mt Wet 2,5 mm Max d. passing solids:

Noise level: 62 dB Displacement for cycle: 8 cc

Pump casing materials:

PP

**PVDF** 

**POMc** 

6.000 cps Max viscosity:

DUOTEK diaphragm pumps are characterized by exceptional performance, power and strength, making them ideal for pumping liquids with very high apparent viscosity up to 6.000 cps (at 20°C), even if containing suspended solids.

The stall-prevention pneumatic system assures a safe pump running and it does not need lubricated air.

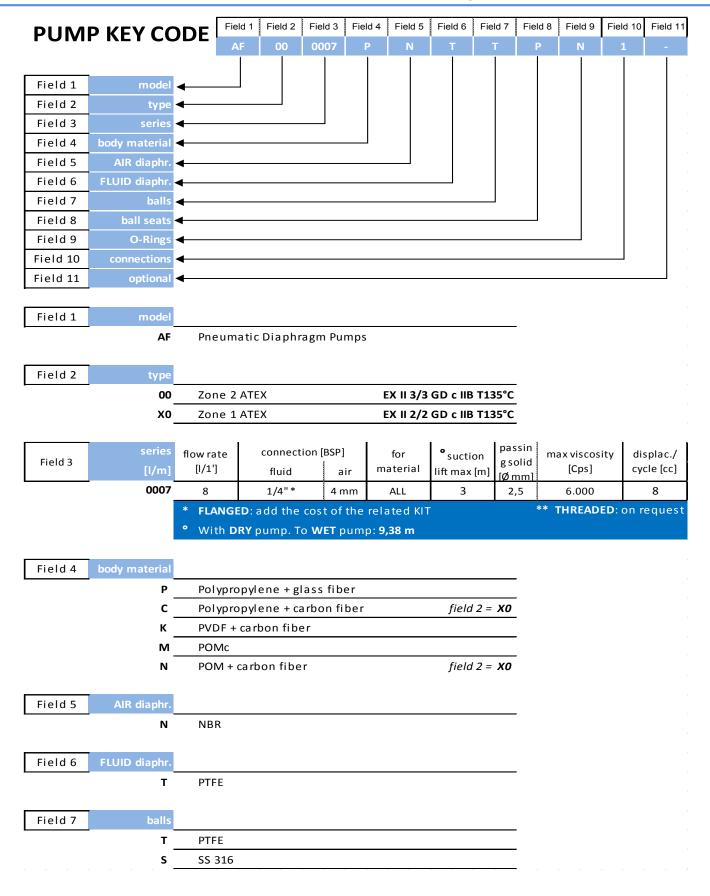
Self-priming dry capacity even with considerable suction head, fine tuning of speed without pressure loss and the possibility of dry operation without suffering damage mean that these pumps offer unrivalled versatility. In addition, the huge choice of construction materials allows selection of optimum chemical compatibility with the fluid and/or environment without neglecting the temperature range.

They are specifically designed for demanding applications with high humidity or in potentially explosive atmospheres (ATEX Certification):

- ATEX Zone 2 in all versions: EX II 3/3 GD c IIB T135°C
- ATEX Zone 1 in all versions: EX II 2/2 GD c IIB T135°C

## AF\_\_0007 - DUOTEK Series - Pneumatic Diaphragm Pumps 5





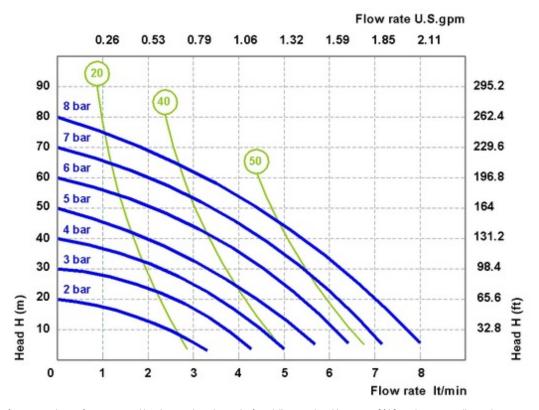
**Our Commitment** 

# AF\_0007 - DUOTEK Series - Pneumatic Diaphragm Pumps **SEKO**



<b>PUMP KEY COD</b>	Field 1	Field 2	Field 3	Field 4	Field 5	Field 6	Field 7	Field 8	Field 9	Field 10	Field 11
I OWN KET COD	AF	00	0007	Р	N	Т	Т	Р	N	1	-
Field 8 ball seats								_			
Р	Polypropylene						_				
К	PVDF pure							_			
M	POMc						-				
								<b>-</b>			
Field 9 O-Rings											
D	EPDM							-			
v	FPM										
т	PTFE							_			
N	NBR							-			
Field 10 connections											
1	BSP Threated						-				
5	NPT Threated										
Field 11 optional											
-	NONE							-			
E	External pump control <i>WITH solenoid</i>							-			
D	External pump control <i>WITHOUT solenoid</i>										

### **HYDRAULIC CHARACTERISTICS**



<sup>\*</sup> 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.

info@createflow.cz www.createflow.cz

Create Flow s.r.o.

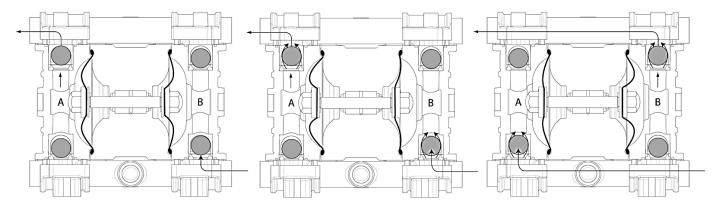
Tel: 00420 722 712 652

## AF\_\_0007 - DUOTEK Series - Pneumatic Diaphragm Pumps **5**



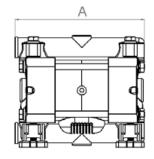
#### **OPERATING PRINCIPLE**

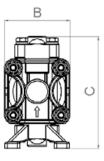
The pneumatic distribution system sends compressed air behind one of the two diaphragms (A), which pushes the fluid towards the delivery circuit. Simultaneously, the opposing diaphragm (B) is located, creating a vacuum in the chamber B, in the suction phase, moved from the shaft that connect the diaphragm to the other (A). In this way the product is sucked from the intake manifold, thanks to de-pressure created in the fluid chamber. When the diaphragm (A), under pressure, reaches the limit of the stroke the distributor switches the two inputs, and the cycle starts again. At the same time, the balls open and close, alternating the chamber A and B, in the closed situation for suction and open delivery in the situation.



### **DIMENSIONS** ( **ALL** materials )

	PP	PVDF	POMc
A (mm)	129	129	129
B (mm)	68	68	68
C (mm)	112	112	112
Weight kg	0,9	0,7	0,9
MAX Temperature	65°C	95°C	95°C



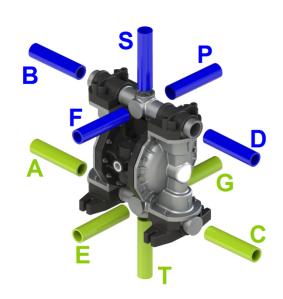


# AF\_0007 - DUOTEK Series - Pneumatic Diaphragm Pumps **SEKO**

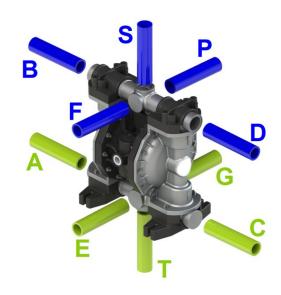


#### **AVAILABLE CONNECTIONS**

Standard = A B IN = A-T-COUT =B-S-D



(ATEX) Standard = A B IN = A-T-C OUT =B-S-D



info@createflow.cz www.createflow.cz

Your Choice, Our Commitment

Create Flow s.r.o.

Tel: 00420 722 712 652