







AISI 316L AOD PUMP RANGE

AIR OPERATED DOUBLE DIAPHRAGM PUMPS



-  PATENTED STALL-PREVENTION PNEUMATIC CIRCUIT
-  ATEX CERTIFICATION FOR ZONE 1 - ZONE 2
-  IECEx CERTIFICATION
-  ADJUSTABLE OPERATING SPEED
-  SELF-PRIMING
-  DRY OPERATION

Part of the
**AISI 316L
Pumps FDA
Compliant
Pump Range**



FOODBOXER 15



FOODBOXER 30



FOODBOXER 50



FOODBOXER 81



FOODBOXER 100

FOODBOXER OVERVIEW

The Foodboxer range are positive displacement pumps operated by compressed air, with double diaphragm. They are suitable for handling fluids with high apparent viscosity and demanding applications, even in the presence of suspended solid parts.

The Foodboxers are extremely versatile pumps, they are self priming with dry operation and have an adjustable operating speed.

ATEX - IECEx certified, FDA Compliant and built in AISI316 / AISI316 L.



Scan to see more of our Debem AOD Range



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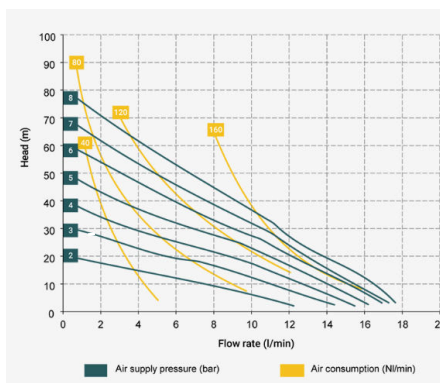
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AIR OPERATED DOUBLE DIAPHRAGM PUMPS

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FOODBOXER 15



* The performances indicated refer to pumps primed (with water fluid at 20°C) at zero head and vary depending on the composition materials.

** Attention: average values of different configurations of ball materials and ball seats.

TECHNICAL SPECIFICATION

	FOODBOXER 15
Suction / delivery connections	3/4 " clamp connections
Air Connection	G 3/8" f
Max. Flow rate	17 l/min
Max supply air pressure	8 bar
Max. Head	80 m
Max suction from negative head - dry	3m
Max suction from negative head - with pump primed	9.5m
Max diameter of suspended solids	0.5mm
Noise	65dB
Volume per stroke	10.3cc

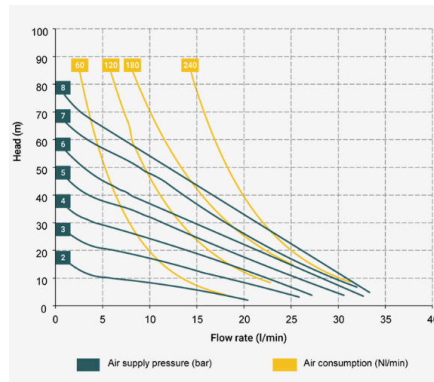
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AISI 316L AOD PUMP RANGE

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FOODBOXER 30



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** Attention: average values of different configurations of ball materials and ball seats.

TECHNICAL SPECIFICATION

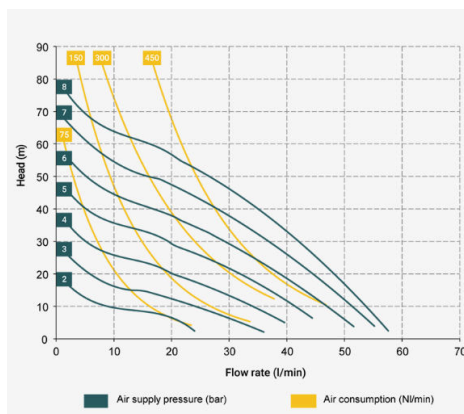
	FOODBOXER 30
Suction / delivery connections	3/4 " - 1 "clamp connections
Air Connection	G 1/4" f
Max. Flow rate	35 l/min
Max supply air pressure	8 bar
Max. Head	80 m
Max suction from negative head - dry	4m
Max suction from negative head - with pump primed	9.5m
Max diameter of suspended solids	2mm
Noise	65dB
Volume per stroke	30cc

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AISI 316L AOD PUMP RANGE

AIR OPERATED DOUBLE DIAPHRAGM PUMPS

FOODBOXER 50



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** Attention: average values of different configurations of ball materials and ball seats.

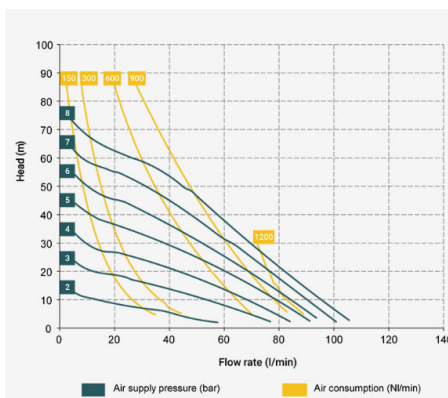
TECHNICAL SPECIFICATION

	FOODBOXER 50
Suction / delivery connections	3/4 " clamp connections
Air Connection	G 3/8" f
Max. Flow rate	60 l/min
Max supply air pressure	8 bar
Max. Head	80 m
Max suction from negative head - dry	4m
Max suction from negative head - with pump primed	9.5m
Max diameter of suspended solids	4mm
Noise	70dB
Volume per stroke	67cc

AISI 316L AOD PUMP RANGE

AIR OPERATED DOUBLE DIAPHRAGM PUMPS

FOODBOXER 81



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** Attention: average values of different configurations of ball materials and ball seats.

TECHNICAL SPECIFICATION

	FOODBOXER 81
Suction / delivery connections	1" 1/2 clamp connections
Air Connection	G 3/8" f
Max. Flow rate	110 l/min
Max supply air pressure	8 bar
Max. Head	80 m
Max suction from negative head - dry	4m
Max suction from negative head - with pump primed	9.5m
Max diameter of suspended solids	4mm
Noise	70dB
Volume per stroke	100cc

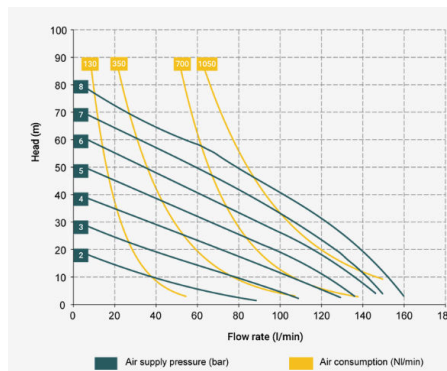
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AISI 316L AOD PUMP RANGE

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FOODBOXER 100



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** Attention: average values of different configurations of ball materials and ball seats.

TECHNICAL SPECIFICATION

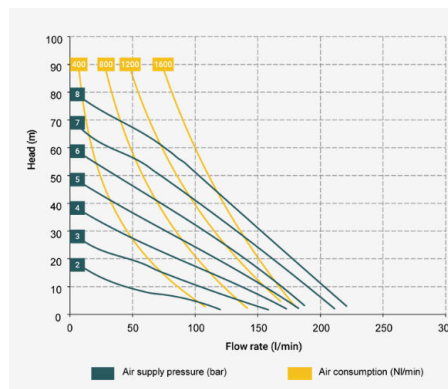
	FOODBOXER 100
Suction / delivery connections	1" 1/2 clamp connections
Air Connection	G 3/8" f
Max. Flow rate	160 l/min
Max supply air pressure	8 bar
Max. Head	80 m
Max suction from negative head - dry	4m
Max suction from negative head - with pump primed	9.5m
Max diameter of suspended solids	4mm
Noise	75dB
Volume per stroke	222cc

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AISI 316L AOD PUMP RANGE

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FOODBOXER 150



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** Attention: average values of different configurations of ball materials and ball seats.

TECHNICAL SPECIFICATION

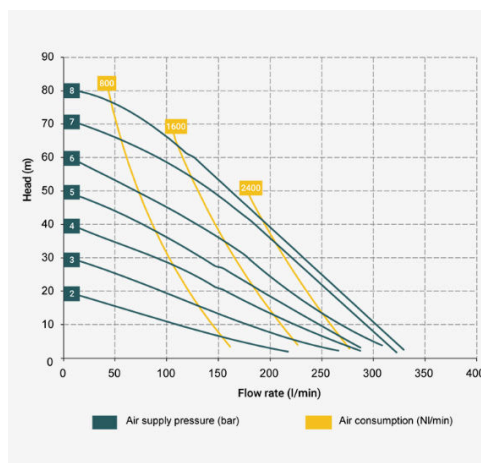
	FOODBOXER 150
Suction / delivery connections	1"1/4 clamp (ISO) connections
Air Connection	G 1/2" f
Max. Flow rate	220 l/min
Max supply air pressure	8 bar
Max. Head	80 m
Max suction from negative head - dry	4m
Max suction from negative head - with pump primed	9.5m
Max diameter of suspended solids	5mm
Noise	75dB
Volume per stroke	340cc

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AISI 316L AOD PUMP RANGE

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FOODBOXER 252



* The performances indicated refer to pumps primed (with water fluid at 20°C) at zero head and vary depending on the composition materials.

** Attention: average values of different configurations of ball materials and ball seats.

TECHNICAL SPECIFICATION

	FOODBOXER 252
Suction / delivery connections	2" clamp connections
Air Connection	G 1/2" f
Max. Flow rate	340 l/min
Max supply air pressure	8 bar
Max. Head	80 m
Max suction from negative head - dry	4m
Max suction from negative head - with pump primed	9.5m
Max diameter of suspended solids	0mm
Noise	80dB
Volume per stroke	552cc

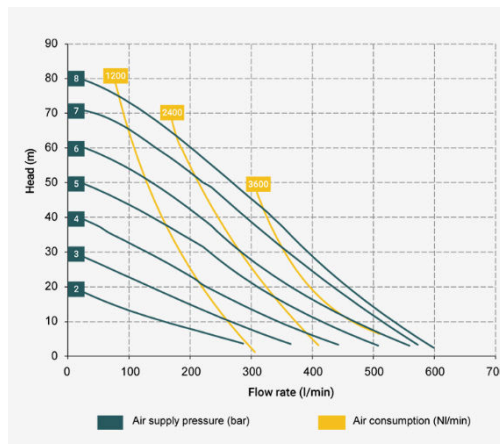
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AISI 316L AOD PUMP RANGE

AIR OPERATED DOUBLE DIAPHRAGM PUMPS

FOODBOXER 502



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** Attention: average values of different configurations of ball materials and ball seats.

TECHNICAL SPECIFICATION

	FOODBOXER 502
Suction / delivery connections	2" 1/2 clamp connections
Air Connection	G 1/2" f
Max. Flow rate	600 l/min
Max supply air pressure	8 bar
Max. Head	80 m
Max suction from negative head - dry	5m
Max suction from negative head - with pump primed	9.5m
Max diameter of suspended solids	8mm
Noise	80dB
Volume per stroke	1825cc

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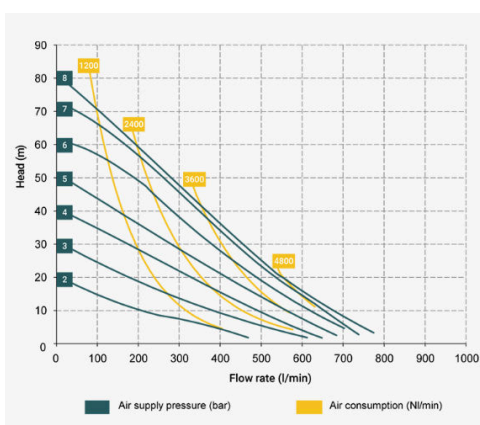
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FOODBOXER 503



Head / Flow rate guaranteed according to ISO 9906

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** Attention: average values of different configurations of ball materials and ball seats.

TECHNICAL SPECIFICATION

	FOODBOXER 503
Suction / delivery connections	4" clamp connections
Air Connection	G 3/4" f
Max. Flow rate	800 l/min
Max supply air pressure	8 bar
Max. Head	80 m
Max suction from negative head - dry	4m
Max suction from negative head - with pump primed	9.5m
Max diameter of suspended solids	10mm
Noise	80dB
Volume per stroke	1825cc

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