

Pumpideal™



The gentle pump for products with large particulates



The ideal pump for gentle treatment of products with larger particulates.



The Pumpideal™ has been specifically developed to treat products with large particulates up to 80mm (~3.15”) in size. Gentle product treatment is obtained at a maximum throughput of 10000 l/h (44 gpm) and an operating pressure of 15 bar (~218 psi).

› **LITTLE TO NO PRODUCT DAMAGE**
DUE TO GENTLE PUMPING ACTION

› **NO PRESSURE PULSATION**
ON PUMP DISCHARGE

› **AUTOMATIC** AIR AND GAS DETECTION
ALERTING USER TO POTENTIAL
UPSTREAM ISSUES

› **INDEPENDENT** PISTON POSITION,
SPEED, AND ACCELERATION CONTROLS

Structural design in accordance to 2006/42/CE norm as well as European regulations and laws.

Pump specifications

- ✓ Compression cylinders are constructed of AISI 316L stainless steel for corrosion resistance; duplex SAF2205 is available as an option
- ✓ Linear drive is achieved with a ball-bearing screw to assure:
 - Less friction losses
 - Less wear-and-tear, reducing maintenance
 - Reduced noise level during operation
 - Increased efficiency and steady-state operation
 - Longer working time
- ✓ 2x synchronous electric motors with permanent magnets, supplied with electric forced ventilation
- ✓ 9 Independently controlled electric drives for smoother operation
- ✓ Suction ball valves with full bore passage, DN100 size, to ease particulate flow
- ✓ Discharge ball valve with full bore passage, DN100 size
- ✓ Valves supplied with pneumatic actuator and inductive sensors to detect ball position; PLC controlled
- ✓ Integrated stainless steel electric cabinet, complete with PLC, HMI, VFD's for automatic operation
- ✓ Pump wiring encased in conduit
- ✓ Low noise level
- ✓ Easy to clean and maintain
- ✓ Pump body and frame constructed of AISI 304



Options available upon request:

- ✓ PLC electric board for Ethernet communications
- ✓ PLC electric board for open protocol communications

Inlet/outlet connections:

- ✓ DIN 11851
- ✓ Tri Clamp

Different connections available upon request.

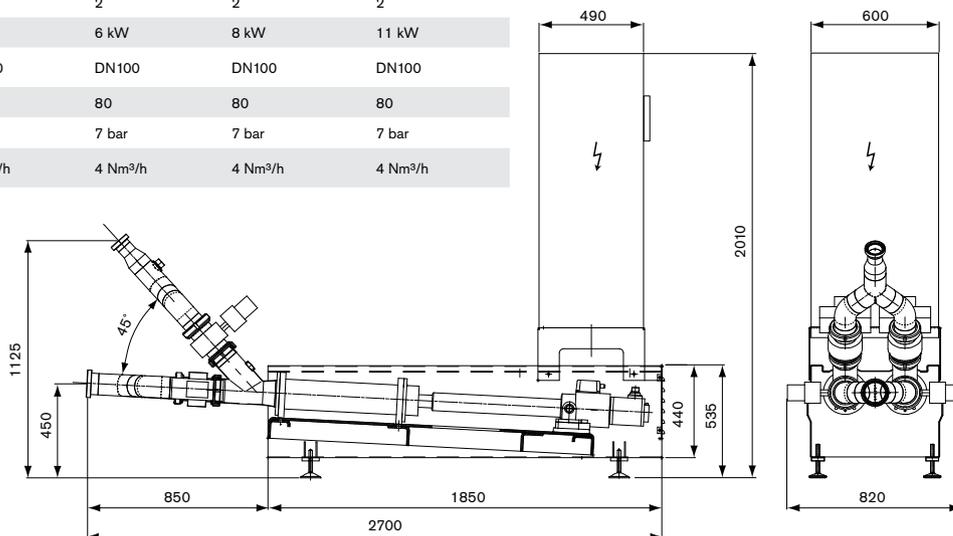
TYPICAL PRODUCTS AND APPLICATIONS



Approximate Specifications

TECHNICAL SPECIFICATIONS				
MODEL	Pumpideal 2000	Pumpideal 3500	Pumpideal 6000	Pumpideal 10000
MAX. THROUGHPUT (L/H)	2000	3500	6000	10000
PRESSURE (bar)	15*	15*	15*	15*
PISTONS	2	2	2	2
INSTALLED POWER	6 kW	6 kW	8 kW	11 kW
INLET/OUTLET PUMP CONNECTIONS	DN100	DN100	DN100	DN100
MAX Ø PIECES (MM)	60	80	80	80
COMPRESSED AIR PRESSURE	7 bar	7 bar	7 bar	7 bar
COMPRESSED AIR CONSUMPTION	4 Nm ³ /h			

* Special versions available for 25 bar



*Model Pumpideal™ 2000 shown

COUNT ON JBT TO HELP PROTECT YOUR INVESTMENT

JBT's greatest value in PRoCARE® services comes from preventing unexpected costs through smart, purposeful, and timely maintenance based on unmatched knowledge and expertise. PRoCARE service packages are offered as a maintenance agreement in various service levels, depending on your production and cost management requirements.



JBT DIVERSIFIED FOOD & HEALTH

FRESH PRODUCE TECHNOLOGIES | FRESH-CUT, ROBOTICS, STEAMING | FRUIT AND VEGETABLE PROCESSING | SECONDARY PROCESSING | ASEPTIC SYSTEMS | FILLING AND CLOSING | IN-CONTAINER STERILIZING | TRAY SEALING | SECONDARY PACKAGING | HIGH-PRESSURE PROCESSING | POWDER PROCESSING | TUNA PROCESSING

OUR BRANDS



Europe

John Bean Technologies SpA
Via Mantova 63/A
43122 Parma
Italy
Phone: +39 0521 908 411
Fax: +39 0521 460 897

John Bean Technologies NV
Breedstraat 3
9100 Sint-Niklaas
Belgium
Phone: +32 3 780 1211
Fax: +32 3 777 7955

John Bean Technologies Foodtech Spain S.L.
Autovía A-2, Km 34,400 - Edificio 1 y 3
28805 Alcala de Henares
Madrid, Spain
Phone: +34 91 304 0045
Fax: +34 91 327 5003

Latin America

JBT de México S de RL de CV
Camino Real a San Andrés Cholula No. 2612
Col. San Bernardino Tlaxcalancingo
72820 San Andrés Cholula, Puebla
México
Phone: +52 222 329 4902
Fax: +52 222 329 4903

North America

John Bean Technologies Corporation
400 Fairway Avenue
Lakeland, FL 33801
USA
Phone: +1 863 683 5411
Fax: +1 863 680 3672

John Bean Technologies Corporation
2300 Industrial Avenue
Madera CA 93639
USA
Phone: +1 559 661 3200
Fax: +1 559 661 3156

South America

John Bean Technologies Máq.
e Equip. Ind. Ltda.
Av. Eng Camilo Dinucci 4605
14808-900 Araraquara, São Paulo
Brazil
Phone: +55 16 3301 2000
Fax: +55 16 3301 2144

Asia Pacific

John Bean Technologies (Shanghai) Co., Ltd.
Room 1908, Hongwell International Plaza,
1600 West Zhongshan Road,
Xuhui District, Shanghai 200235,
PRC
Phone: +86 21 3339 1588
Fax: +86 21 3339 1599

John Bean Technologies (Thailand) Ltd.
No. 2525 FYI Center Building 2, 9th Floor
Unit No. 2/901-2/903, Rama IV Road
Klongtoei, Bangkok 10110
Thailand
Phone: +66 (0) 2257 4000
infoasia-jbtfoodtech@jbt.com

South Africa

John Bean Technologies (Pty) Ltd.
Koper Street
Brackenfell
Cape Town, South Africa 7560
Phone: +27 21 982 1130
Fax: +27 21 982 1136



We're with you, right down the line.™

hello@jbt.com | jbt.com



Subject to change without notice. 02-21 A11003-EN