



Jacto

PORTABLE PRODUCTS



WHY JACTO?

Jacto sprayers are sold in more than 100 countries globally, where they are used widely as crop-care tools. This means they must not only be highly effective in covering the target, but they must also be lightweight, comfortable, robust, durable, easy to service, simple to maintain and highly-dependable. When a good sprayer is called for, Jacto delivers. Always.

Jacto XP Series – Manual Backpack Sprayers



Ultra-comfortable, lightweight professional-grade Backpack sprayers. Jacto's XP range was born from our tradition of serving the needs of farmers in some of the most forbidding environments in the world. Jacto's robust XP models require less pumping to achieve maximum operating pressure than just about any other sprayer you can find. The Jacto XP is an easy-pumping, high pressure marvel of engineering!

Designed for a minimum 1000-hour service life, the factory destruction test exceeded 4000 continuous hours of operation. That's a lot of spraying.

Plus, the unique in-line cylinder attachment means less wear on the piston cup for extra-long service life before maintenance is needed. Even the shape of the Jacto tank is purpose-designed not only for comfort and durability, but also to retain less liquid on the walls and to empty almost entirely. You can pump the Jacto XP sprayer until it's almost dry – less wasted chemical than with competitive products.

Choose from 3-gallon (12-liter) or 4-gallon (16-liter) models in our two different color choices.

Features

- Poly piston pump – high pressure (up to 130 psi) and 620 ml volume.
- Internal piston pump design to eliminate leakage and to help reduce operator exposure to chemicals.
- Contoured tank for exceptional comfort and complete emptying.
- Long-wearing Santoprene® piston cup.
- Quick-adjust shoulder straps with thick padded shoulder pad.
- Ergonomic trigger valve with locking trigger and integral filter.
- Stainless steel spray wand.
- Hydraulic agitation system.
- Choose from two color schemes.
 - White tanks with vibrant orange trim.
 - Blue tanks with vibrant orange trim.
- Polyethylene UV resistant tank – chevron contoured for less liquid retention on walls.
- Adjustable cone nozzle with filter.
- Dry Weight:
 - XP312 / XP12 (3-gallon model) – 7.7 lbs.
 - XP416 / XP16 (4-gallon model) – 7.9 lbs.
- **STOCK NUMBERS.** XP312: **1210806**; XP12: **1210811**; XP416: **1210807**; XP16: **1210812**



HD400 – Manual Backpack Sprayers



6 pumps
to reach 45 PSI

Very popular with landscape professionals and organic farmers, the 4-gallon (16-liter) HD400 has an internal mechanical agitator that does an excellent job of keeping powdered chemicals, such as kaolin clay organic insecticides, in suspension.

The HD400 was independently tested for more than 1,500 continuous hours of operation with no breakdowns and is easily converted for either right-hand or left-hand operation.

We are pleased to offer you two color combinations for the HD400. The white/orange option is equipped with a Viton® piston cup, a choice for users who will spray caustic chemicals. Our HD400 blue features a piston cup made from Santoprene®, which offers a longer wear life than the Viton® option.

Features

- Heavy duty Poly piston pump - Volume: 900 ml and piston cup diameter: 45 mm.
- Piston pump contained within the tank, eliminating the possibility of leakage on the operator.
- Heavy-duty trigger valve.
- Right-hand or left-hand operation.
- Quick-adjust thickly padded shoulder straps.
- Piston cup: Viton® for HD400-O/W; Santoprene® for HD400blue.
- Internal mechanical agitator for constant mixing.
- Metal bushings for long-life.
- Large fill opening and deep strainer for faster filling, reducing chance of spillage.
- Polypropylene UV resistant tank.
- Ergonomic shape fits on the operator's back for maximum comfort.
- Internal valve prevents over-pressurizing the piston pump.
- Stainless steel spray lance.
- Adjustable hollow cone nozzle standard.
- Easy maintenance, field serviceable – no tools required.
- Dry weight: 8.16 lbs. (3.7 kg).
- **STOCK NUMBERS.** HD400 (white): **1210803**; HD400blue: **1210802**



PJ16/CD400 – Manual Backpack Sprayers



Jacto's 4-gallon (16-liter) CD400 has long been a popular choice among farmers, landscapers, construction crews and others who need extreme toughness and maximum resistance to abusive chemicals. Now you can choose both the CD400 (white/orange) and the PJ16 (blue/orange). In independent tests, the CD400 and PJ16 exceeded more than 2,500 hours of continuous operation without breaking down. Both models are fully convertible for either right- or left-hand operation.

Features

- Brass piston pump for long life and chemical resistance – volume: 620 ml and piston cup diameter: 35 mm.
- Adjustable thick padded shoulder straps.
- DUAL PISTON CUPS on each sprayer: Viton® for CD400; Santoprene® for PJ16.
- Internal mechanical agitator for constant mixing.
- Heavy-duty trigger valve is field serviceable.
- In-tank piston pump for safety and prevention of leaking onto the operator.
- Professional stainless-steel spray lance.
- Adjustable hollow cone nozzle standard.
- Right- or left-hand operation of pump lever.
- Anti-corrosion electrostatic powder paint on metal components.
- High density Polyethylene UV resistant tank.
- Net weight: 9.3 lbs. (4.2 kg).
- 3-year warranty. See owner's manual for details
- **STOCK NUMBERS.** CD400: **1210801**; PJ16: **1210799**



PJH – Manual Backpack Sprayer



7 pumps
to reach 45 PSI

We're really excited to have the PJH in our line-up. It's not only Jacto's leading seller globally, it is absolutely the world's top selling backpack sprayer – and the most imitated backpack sprayer ever.

The 5-gallon (20 liter) PJH will be universally recognized by commercial growers and landscapers who have emigrated from Latin America, where the PJH is an important and highly-popular tool for farm and crop care.

Features

- Brass piston pump for long life and chemical resistance – volume: 620 ml and piston cup diameter: 35 mm.
 - Adjustable padded shoulder straps with metal hook for easy loading on the back.
 - Dual Viton® piston cups.
 - Internal mechanical agitator for constant mixing.
 - In-tank piston pump for safety – no external leaks!
 - Anti-corrosion electrostatic powder paint on metal components.
 - High density Polyethylene UV resistant tank.
 - Extra-large fill opening and strainer for faster filling, reducing chance of spillage.
 - Heavy-duty trigger valve is field serviceable.
 - Ergonomic shape fits on the operator's back for maximum comfort.
 - Stainless steel spray lance for long-life and durability.
 - Adjustable hollow cone nozzle standard.
 - Blue tank with orange trim – a great looking package.
 - 3-Year Warranty. See the owner's manual for details.
 - Net weight: 11 lbs. (5 kg).
- **STOCK NUMBER: 1210800**



HH5 Compression Sprayer

Rounding out the Jacto portable range is our new HH5 compression sprayer. This tough little 1.3-gallon (5 liter) capacity model features professional-grade trigger valve and lever – as well as a stainless steel spray lance with pro-grade adjustable-cone nozzle. You won't find a better outfitted compression sprayer anywhere.

Features

- 1.3-gallon (5 liter) capacity.
- High-density Polyethylene tank.
- Easy compression pump.
- Adjustable shoulder strap.
- Lightweight, but heavy duty.
- Stainless steel spray lance.
- Heavy duty trigger valve.
- **STOCK NUMBER: 1232231**



PJB-8c – Battery-Powered, Shoulder-Carry Sprayer

The Jacto PJB-8c combines the latest technology with ease of use in a very compact size. This 2-gallon shoulder mount sprayer is perfect for use in small plot growing, tight spaces such as greenhouses, border control in landscapes or plant-scape environments in office buildings. Whether you need to apply fungicides, pesticides or herbicides, this lightweight easy-to-use sprayer will do the job efficiently, with less effort compared to pump-up compression sprayers.

Features

- 2-gallon capacity.
- High-density Polyethylene tank.
- Ergonomic tank design.
- Comfortable, soft padded quick adjust straps.
- Lithium-Ion battery powered.
- Constant pressure regardless of the battery level.
- Average 2-4 hour battery run time.
- Stainless steel spray lance.
- Heavy duty trigger valve.
- Lightweight - less than 6-lbs. empty.
- 3-Year Warranty. See the owner's manual for details.
- **STOCK NUMBER: 1230663**



PJB-16 & PJB-20 – Battery-Powered Backpack Sprayers (v.2020)

V. 2020 Models



The PJB-16 and PJB-20 (v. 2020) combine technology with ease of use, in a comfortable lightweight design and will be the sprayer of choice for herbicide applications and many other uses. Perfect for day-to-

day use by everyone from the busy farmer or rancher to the landscaper and market gardener. Whether you walk, ride on an ATV or in a UTV, this sprayer will get the job done quickly and efficiently.

The 4-gallon PJB-16 – or the 5-gallon PJB-20 – is the right sprayer for the end user who needs consistency, accuracy, and efficiency for on-target delivery of their spray solution. Using a rheostat type controller, this model offers finger-tip pressure adjustments to help you deliver material in the right pressure and volume. Jacto’s PJB-series is the right sprayer for everyone... from the market farmer, commercial greenhouse grower, industrial sanitizer to busy landscape professional. Our PJB is equipped with an easy-to-change rechargeable lithium-ion battery. Depending on flow rates and pressures, typical battery run times per charge average about 8 hours and go as high as 12 hours.

Features:

- Rheostat pressure adjustment.
- Standard with adjustable cone nozzle.
- Quick hose connector with swivel.
- 4-gallon & 5-gallon capacity.
- High-density Polyethylene tank.
- Soft-padded - quick adjustment shoulder straps.
- Light weight lithium ion battery – long life between charges.
- Constant pressure, regardless of the level of the battery.
- Heavy duty trigger valve.
- Stainless steel wand.
- Exceptional battery life for all day operation.
- No pumping required.
- Less fatigue.
- Lightweight - less than 10-lbs. empty.
- 3-Year Warranty. See the owner’s manual for details.
- **STOCK NUMBERS (v. 2020).** PJB-16: 1272393; PJB-20: 1272385



Blue Adjustable Cone Nozzle		
Position of the rheostat	Minimum	Maximum
Pressure [psi]	30	70
Flow rate [GPM]	0,16	0,21
Autonomy [h]	12,0	5,2
Autonomy [gal]	116	66

PJB-16 & PJB-20 – Award-Winning Battery-Powered Backpack Sprayers (v.2015)

V. 2015 Models



The PJB is the world’s most advanced battery powered backpack sprayer. With almost four years of development by Jacto, the ergonomically designed and lightweight PJB is a marvel of engineering.

The 4-gallon PJB-16 – or the 5-gallon PJB-20 – is the right sprayer for the end user who needs accuracy and efficiency for on-target delivery of their spray solution. With such features as, hydraulic agitation, multiple pressure settings, a walking pace (speed) indicator and built in self-diagnostics, the PJB16 is the right sprayer for everyone... from the market farmer, commercial greenhouse grower, industrial sanitizer to busy landscape professional. The PJB-16 is equipped with an easy to change rechargeable lithium-ion battery. Depending on flow rates and pressures, typical battery run times per charge average about 8 hours and go as high as 12+ hours.

Features:

- 5 pressure settings.
- Hydraulic “Venturi” agitation.
- Automatic shut-off.
- 4-gallon & 5-gallon capacity.
- High-density Polyethylene tank.
- Soft-padded - quick adjustment shoulder straps.
- Light weight lithium ion battery – long life between charges.
- Constant pressure, regardless of the level of the battery.
- Smart control panel.
- Multiple-speed walking pace indicator.
- Heavy duty trigger valve.
- Stainless steel wand.
- 4 nozzles included.
- Exceptional battery life for all day operation.
- No pumping required.
- Less fatigue.
- Lightweight - less than 10-lbs. empty.
- 3-Year Warranty. See the owner’s manual for details.
- **STOCK NUMBERS (v. 2015).** PJB-16: **1230657**; PJB-20: **1231291**



DJB-16 & DJB-20 – Battery-Powered Backpack Sprayers – DOSERS!



DJB-16

DJB-20

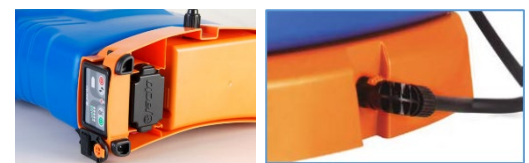


The Jacto DJB is the world’s most advanced battery powered backpack sprayer combined with option for applying specific doses of material for applications such as foliar fertilizer and other types applications.

The 4-gallon DJB-16 – or the 5-gallon DJB-20 – offers the option for setting a specific dose or liquid material to be delivered via our drenching tip. It is also the right sprayer for the end user who needs accuracy and efficiency for on-target delivery of their spray solution. With such features as, venturi agitation, multiple pressure settings, a walking pace (speed) indicator and built-in self-diagnostics, the Jacto DJB simply “has it all” for the market farmer, commercial greenhouse grower, industrial sanitizer to busy landscape professional. The DJB is equipped with an easy to change rechargeable lithium-ion battery. Depending on flow rates and pressures, typical battery run times per charge average about 8 hours and go as high as 12+ hours.

Features:

- 5 pressure settings.
 - **DOSING OPTION**
 - Hydraulic “Venturi” agitation.
 - Automatic shut-off.
 - 4-gallon & 5-gallon capacity.
 - Quick hose connector with swivel.
 - High-density Polyethylene tank.
 - Soft-padded - quick adjustment shoulder straps.
 - Light weight lithium ion battery – long life between charges.
 - Constant pressure, regardless of the level of the battery.
 - Smart control panel.
 - Multiple-speed walking pace indicator.
 - Heavy duty trigger valve.
 - Stainless steel wand.
 - 4 nozzles included.
 - Exceptional battery life for all day operation.
 - No pumping required.
 - Less fatigue.
 - Lightweight - less than 10-lbs. empty.
 - 3-Year Warranty. See the owner’s manual for details.
- STOCK NUMBERS. DJB-16: 1277571; DJB-20: 1236352**



DJB-20s – SMART Battery-Powered Backpack Sprayer – DOSER!



DJB-20s



An absolutely remarkable piece of equipment, the Jacto DJB20s “Smart” doser-sprayer is Bluetooth capable and utilizes a smart-phone app to create up to 20 various dosage settings between 5 and 300 ml. Doses can be applied automatically or on demand. It’s your choice. By using Jacto’s “Smart Control” app, doses can be set within 1.0 ml accuracy!

The 5-gallon DJB-20S is also a highly-accurate and effective sprayer, offering 5 pressure levels and total consistency. Standard equipment includes four nozzles to fit various spraying applications as well as the drenching tip for dosing. The DJB is equipped with an easy to change rechargeable lithium-ion battery and an electronic trigger for instant pump activation. Depending on flow rates and pressures, typical battery run times per charge average about 8 hours and go as high as 12+ hours.

Features:

- 5 pressure settings.
- **DOSING & SPRAYING OPTION**
- Hydraulic “Venturi” agitation and external filter
- Automatic shut-off.
- 5-gallon capacity.
- Quick hose connector with swivel.
- High-density Polyethylene tank.
- Soft-padded - quick adjustment shoulder straps.
- Light weight lithium ion battery – long life between charges.
- Constant pressure, regardless of the level of the battery.
- Smart control panel.
- Heavy-duty, electronic trigger valve.
- Stainless steel lance with 600mm extension.
- 4 nozzles + drenching tip included.
- Exceptional battery life for all-day operation.
- No pumping required.
- Less fatigue.
- Lightweight
- 3-Year Warranty. See the owner’s manual for details
- **STOCK NUMBER.;** DJB-20s: **12xxxxx**



PJA-18 –Battery-Powered Backpack AIR ASSISTED Sprayer



Driven by a high-rotation brushless electric motor, the Jacto PJA air assist sprayer delivers remarkable coverage for crop care, pest abatement, virus control, and a variety of other applications.

The 4.8-gallon (18 liter) PJA-18 utilizes Jacto’s flow-control system to independently adjust pump pressure and fan speed to accommodate for a wide variety of applications with remarkable precision. The high-speed fan helps penetrate even dense foliage for exceptional coverage. The ATR 2.0 fine-droplet, 80° cone nozzle ensures the “misting” properties necessary to ensure coverage on uneven surfaces and integrate components.

Features:

- Hydraulic “Venturi” agitation system
- Removable angled air outlet
- Light weight fan and application assembly with two handles for increased productivity.
- Electronic control panel with soft touch buttons on application assembly.
- 4.8-gallon (18-liter) capacity.
- Variable speed fan – choice of six settings
- Fan performance – wind speed over 50 MPH and almost 500 CFM
- Variable pump pressure control – choice of four settings up to 75 PSI
- High-density Polyethylene tank with tank drain for ease of cleaning.
- Soft-padded – quick adjustment shoulder straps.
- Padded back support for added comfort
- Approximately 2-hours of run time and less than two hours to re-charge
- Light weight lithium ion battery – long life between charges.
- 36-Volt battery with 500 watt-hours (WH) of capacity
- Constant pressure, regardless of the level of the battery.
- 3-Year Warranty. See the owner’s manual for details
- **STOCK NUMBER. PJA18: 12xxxxx**



Allied Accessories from Jacto.

ACCESSORIES

In addition to world-class sprayers and application tools, Jacto offers a complete range of accessories, nozzles and tips that allow our customers to get the best results possible. With a strong belief in serving our customers, Jacto follows ISO guidelines for size and configuration of add-on accessories. This means a variety of after-market attachments and accessories can be added to Jacto products at the customer's convenience. See Jacto's accessories price list for details on Jacto's complete range of allied accessories.



The Jacto Story: Humility, Honesty, and Simplicity



In the early 1930's, Shunji Nishimura immigrated to Brazil from Japan to establish a new life in the wake of devastating economic conditions in his home country. Arriving in Brazil, Mr. Nishimura had only the equivalent of \$100US in his pocket and little knowledge of Portuguese, the language of his adopted country.



Living in the highly-populated city of São Paulo, Mr. Nishimura worked at various jobs including serving as butler for wealthy Brazilians and harvesting coffee, a highly rigorous hand process back in the 1930's. Later moving to remote Pompéia – because the train tracks extend no farther from São Paulo – Mr. Nishimura opened a fix-it shop where he proved to be of great service to his community. His first "original" products were drinking mugs fashioned from tin cans. He also fixed and repaired anything and everything his customers brought to him.

At one point, he was asked to repair an agricultural "duster" from the USA. Noting that it was designed for the operator to wear on his chest, Mr. Nishimura re-designed the duster for more-comfortable backpack operation. Over time, Mr. Nishimura's dependability and innovative skills caused his neighbors to request that he design and build his own dusters, which he began offering in the late '40's. Later moving to backpack sprayers made of metal, Mr. Nishimura named this company Jacto and became known for always taking the best care of his customers. Today, Jacto continues the philosophy of our founder: *"Never abandon a farmer (or any customer) who is using our equipment."*



Creating robust and highly-efficient backpack sprayers, Mr. Nishimura launched the first of such products made from composite materials. In the 1960's, he sent his son to Germany to bring back equipment for plastic blow molding. Because of heavy taxes in Brazil for importation of such equipment, Mr. Nishimura requested and received a waiver of the tax directly from the country's president. At that point, Jacto launched the world's best backpack sprayers – which continues to this day. That was also the time when Mr. Nishimura made the commitment to "give back" all he could to help to improve the lives of people in his adopted land.

In the span of one man's lifetime, a poor immigrant with a "fix-it" shop established a company that has become a leading equipment provider to the Agricultural markets in Brazil and nearly 100 other countries – supplying a variety of state-of-the-art backpack, tractor-powered and self-propelled sprayers and related equipment. Today Jacto employs nearly 4,000 people and provides educational support to countless others through the Nishimura Foundation and other schools the company has built and operates in Brazil.



We at Jacto are proud to serve our customers and our customers' communities. When you think about the Jacto brand, consider not only the highly-engineered and innovative products that serve end customers well; but also consider that we care deeply for our social responsibility – and will continually offer products and services to improve the results of our customers and the health of our planet.