



# PRODUCT OVERVIEW BOOK 2020

BETTER SEEDING, SPREADING & CULTIVATING



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## MEET APV AMERICA INC.



### AUSTIN HAWKINS

#### Chief Sales Officer North America

Phone: (800) 644-9481 x 702  
Mobile: (903) 423-0552  
Email: austin.hawkins@apv-america.com



### GREGOR VOGRIN

#### Finance Manager

Phone: (800) 644-9481 x 700  
Mobile: (303) 704-7129  
Email: gregor.vogrin@apv-america.com



### ANDREA SOMMER

#### US Operations & Logistics

Phone: (800) 644-9481 x 706  
Mobile: (303) 725-7729  
Email: andrea.sommer@apv-america.com



### IRIS KRAUSE

#### Senior Marketing Manager

Phone: (800) 644 9481 x 705  
Mobile: (303) 810-0567  
Email: iris.krause@apv-america.com

**CONTACT US AT:** info@apv-america.com

www.apv-america.com

(800) 644-9481

1776 South Jackson Street • Suite 603 • Denver, CO 80210

# DELIVERY AND PAYMENT CONDITIONS

With the publication of our 2020 Price List, all previous pricing is null and void. All prices are NET, in U.S. Dollars, excluding sales tax, and all prices are non-binding, less freight from the U.S. based APV distribution center. Freight and fees from the U.S. based distribution center to the final destination will be invoiced at the actual rate.

## TERMS OF BUSINESS AND DELIVERY

Our sales and collaborations are based solely on the APV General Terms and Conditions (GTCs) in the currently valid version. The complete version can be found and downloaded online from [www.apv-america.com](http://www.apv-america.com), at the bottom of our home page.

Our technicians are continuously working on improving our implements. For this reason, we reserve the right to make changes and improvements as we deem necessary. We are not obligated to extend these improvements on previously delivered implements. All technical specifications, images and diagrams are non-binding. APV reserves the right to modify components and implements as we deem necessary. Delivered products may differ from those shown in this price list due to such modifications. Listed weights comprise the implement including the parts specified in the standard scope of delivery. Packaging is not included.

## APV AMERICA INC. LIMITED WARRANTY

APV America Inc. warranted to the consumer purchaser that the implements, parts and accessories are free from defects in materials and workmanship for a period of 12 months from the date of purchase by the original consumer purchaser. We will repair or replace, at our discretion, parts found to be defective due to material or workmanship. This warranty shall not apply to implements or parts that have been subjected to misuse, negligence, accident, or that have been altered in any way. Repair parts installed on the equipment covered by this warranty are warranted for 90 days from the date of receipt of such part or to the expiration of the applicable new equipment warranty period, whichever occurs later.

APV America Inc.'s obligation shall be limited to the repair or replacement of any part, provided that such part is returned within 30 days from date of failure to the APV America dealer from whom the purchase was made, transportation charges prepaid by purchaser. Such repair parts shall be provided at no cost to the user. APV America reserves the right to inspect any equipment or parts which are claimed to have been defective in material or workmanship. Prior approval of warranty repairs is required. This warranty applies ONLY to products which have been properly assembled, adjusted, and operated in accordance with the instructions contained within the implement manual.

## DISCLAIMER OF IMPLIED WARRANTIES & CONSEQUENTIAL DAMAGES

APV America Inc.'s obligation under this warranty, to the extent allowed by law, is in lieu of all warranties, implied or expressed, including implied warranties of merchantability and fitness for a particular purpose and any liability for incidental and consequential damages with respect to the sale or use of the items warranted. Such incidental and consequential damages shall include but not be limited to: transportation charges, other than normal freight charges; cost of installation other than cost approved by APV America; duty; taxes; charges for normal service or adjustments; loss of crops or any other loss of income; rental or substitute equipment; expenses due to loss, damage, detention or delay in the delivery of equipment or parts resulting from acts beyond the control of APV America Inc. Some states do not allow the limitation of consequential damages or limitations on how long an implied warranty may last, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may have other rights, which vary from state-to-state. This is a limited warranty as defined by the Magnuson-Moss Act of 1975. This warranty shall not be interpreted to render APV America liable for injury or damages of any kind or nature, direct, consequential or contingent, to person or property. This warranty does not extend to loss of crops, loss because of delay in harvesting or any other expenses, for any other reasons.

## THIS WARRANTY SHALL NOT APPLY:

1. If the unit has been subjected to improper assembly or installation, misapplication, abuse, misuse, negligence, shipping damage, fire or other accident.
2. If parts not made or supplied by APV America Inc. have been used in connection with the unit, if, in sole judgement of APV America such use affects its performance, stability, or reliability.
3. If the unit has been altered or repaired outside of an authorized APV America dealership in a manner which, in the sole judgement affects its performance, stability, or reliability.
4. To normal maintenance service such as lubricated bearings, hydraulic fluid, or to normal deterioration of such things as belts, tires, and exterior finish, due to use and exposure.
5. To expendable or normal wear items such as bearings, tines, rotors, roller discs, fasteners, impeller blades and discs, springs, tires, and any other item that in the company's sole judgement is a wear item.

APV America reserves the right to make improvements in design or changes to specifications at any time, without incurring obligations to owners or units previously sold. ALWAYS refer to and heed machine operating warnings and decals on machine.

NO EMPLOYEE OR REPRESENTATIVE OF APV AMERICA INC. IS AUTHORIZED TO CHANGE THIS WARRANTY IN ANY WAY OR GRANT ANY OTHER WARRANTY UNLESS SUCH CHANGE IS MADE IN WRITING AND SIGNED BY APV AMERICA INC. MANAGEMENT, 1776 S JACKSON ST, SUITE 603, DENVER, COLORADO 80210

## TECHNICAL PROVISIONS

For the operation of all APV America implements, the user is responsible for complying with all local transport regulations. APV does not assume liability for the assembly and mounting of spreaders or pneumatic seeders.

## FIELD TRIALS

Field trials are strongly encouraged. Speak with your APV America representative regarding specific terms and conditions.

## LEGAL NOTICE

All technical data are provided without guarantee; APV America is not responsible for errors and omissions. All diagrams are to be considered as representative images.



# DISC SPREADERS

## SINGLE DISC SPREADERS



### ES 100 M1 CLASSIC

The ES 100 M1 Classic is ideal for spreading grass seeds, single cover crop seeds, granular micronutrients and slug pellets. The lightweight poly hopper has 3.53 cubic feet of capacity and provides long life, impervious to the environment.

The spreading width and disc speed are directly controlled by the 2.1 Electric Controller from your tractor cab and the seeding rate is quickly set with an adjustable slide gate. With spread patterns up to 78 feet, depending on material, APV spreaders lead the industry in broadcast precision.



### ES 100 M3 SPECIAL

Just like the ES 100 M1 Classic, the ES 100 M3 Special is well suited for spreading catch crops, grass seeds, nurse crops, slug pellets and similar granules.

With the integrated point of impact adjustment and the tilted spreading disc with special throwing vanes, you will achieve larger working widths and a more precise spreading pattern.





## MINI SPREADER



### KS 40 M2

Due to its low weight and compactness, the KS 40 M2 is extremely versatile in use. It is the right implement for smaller operations for the spreading of grass seeds, catch crops, and slug pellets on smaller working widths. The controller has a straightforward adjustment of the working width from the driver's seat, and multiple mounting options. All in all the KS 40 M2 is a practical and compact spreader.



## TWIN DISC SPREADER



### ZS 200 M4

Due to its design and various control functions, the ZS 200 M4 is THE slug pellet spreader. Multiple tests prove the ZS 200 to be the industry leading twin disc spreader in accuracy and distance. The independently driven spreading impellers provide a precise symmetrical pattern which is maintained at spreading widths in excess of 100 ft.

The ZS 200 M4 also offers great precision in the seeding of grass, cover crops and other granular products. Spreading can be accomplished simultaneously with field preparations by mounting on a tillage implement.



# MULTI-METERING SYSTEMS

## MULTI-METERING SYSTEM WITH SPREADER DISC



### MDS 40 M1 / MDS 100 M1

The MDS multi-metering system allows for precise spreading applications as a disc spreader while offering versatility by exchanging its discharge section to that of a pneumatic seeder, while keeping the hopper and support structure intact (pneumatic seeder discharge sold separately).

The MDS spreader is excellent for precise application of single variety cover crops, grass seeds, slug pellets, and granular micronutrients. It will spread slug pellets accurately up to a distance of 92 feet. When the need arises for precision seeding, the spreader discharge section can be removed and the pneumatic seeder discharge installed, making this an extremely versatile implement.



## MULTI-METERING SYSTEM - PNEUMATIC, WITH FAN



### MDP 100 M1

The MDP 100 multi-metering system is a first for our industry. This series allows for the exchange of the discharge sections while keeping the hopper and support structure intact. The MDP functions as a small scale pneumatic seeder for precise application of cover crops, grass seeds, slug pellets, or granular micronutrients. It's excellent for use with implements up to 15 ft in width.

When the need arises for a precision spreader, the pneumatic discharge section can be removed and a spreader discharge installed, making this an extremely versatile implement. Due to its varied mounting possibilities and simple installation, the MDP can be used many times throughout the year for a variety of applications.





## IMPLEMENT CARRIER



### MT2 M1

The MT2 3-pt Seeder Carrier ensures that our PS Series units can be optimally utilized without mounting the seeder directly on a trailing implement. Only the tubing and dispersion plates must be mounted directly on the implement. Compatible with Cat. 2, Cat. 3, and Cat. 4, as well as quick hitch compatible.



## ROTARY HOE



### RH 600 M1

The RH 600 rotating hoe rings bury or uproot the weeds, promote tillering of the crop, incorporate oxygen into the soil and break up hard soil crusts. Thanks to the rotating rings, the tines remain free of plant and soil material.

A robust frame with 4 guide wheels allow the implement to run smoothly over your field. The operational success is ensured by 6 mm thick spring steel pins. The hoe rings are individually suspended and can adapt individually to the ground undulations. As a result, the RH 600 M1 works evenly across the full area. You can achieve optimal results, since you can adjust the contact pressure and the inclination of the hoe rings according to your requirements. The hoe rings are arranged inversely starting from the middle, which ensures for the implement to run absolutely smoothly.





# PS SERIES AIR SEEDERS

## SEEDERS FOR SMALL TO MID-SIZED TASKS



### PS 120 **M1** / PS 200 **M1** / PS 300 **M1** / PS 500 **M2**

The PS 120, PS 200, PS 300 and the PS 500 are ideal for small to mid-sized operations with hoppers of 3.4, 5.7, 8.5 and 14.1 bushels, respectively. Our seeders serve diverse uses, from seeding cover crops to applying granular micro-nutrients with most any combination of implements. They have a small footprint, making them easy to mount on tillers, cultivators, harrows, discs spreaders, self-propelled sprayers, combines, slurry tankers, vertical tillage tools and more, on widths up to 40 ft with available accessories and selection of a hydraulic fan. With available adapter kits, it's simple to set up several implements for seeding use and only move the seeder from one implement to the next. Plus, APV's numerous metering roll options help you manage large seeds, small seeds and seed blends of like sizes. Our exclusive hopper design minimizes sifting of seeds within similar sized seed blends.



## PS FERTILIZER EDITIONS

### PS 300 **M1 D** / PS 500 **M2 D** / PS 800 **M1 D**

Our D Fertilizer Edition seeders can spread corrosive fertilizers, pesticides and other microgranules, and offer the same benefits as our standard seeders. Each D Fertilizer Edition is hermetically sealed and cathodic dip coated (CDC; except the hydraulic fan) for corrosion resistance. Fertilizer applications are completed at a lower rate than seeding.

# PS 800 M1 / PS 1200 M1 / PS 1600 M1 / MT2 M1

## LARGE VOLUME FOR BIG CHALLENGES

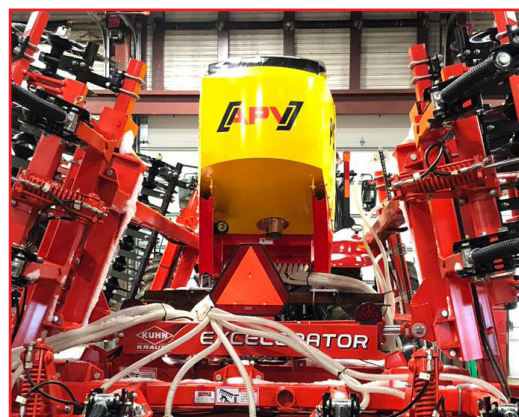
With 22.7, 34.0 and 45.4 bushels of capacity, respectively, the PS 800, 1200 and 1600 offer our largest hopper volumes. Integrated components meet the needs of demanding operations. These implements are equipped with 16 or 32 outlets, a powerful hydraulic fan, a steel hopper and more. Additional outlets are obtainable with use of "Y" splitter kits which allow for greater widths.

Units can be combined with our MT2 3-pt Carrier for application convenience. The MT2 eliminates the need to mount the seeder on your implement and allows you to tow your implement with the carrier, providing improved traction and weight distribution.

The PS 1200 and PS 1600 can be ordered pre-installed on the carrier and the PS 800 can be installed after purchase. The MT2 3-pt Carrier with our Implement Adapter Kit makes for easy connections and interchangeability between multiple implements.

The PS 800 M1 D Fertilizer Edition is also available for fertilizer and similar corrosive materials in larger quantities (see previous page).

**Note:** The appearance of all products is subject to change.



## CONTROLLERS

APV's industry leading controllers are unmatched, with state-of-the-art electronics to provide the precision required for each application. Each controller provides a different degree of automation.



The 5.2 Controller offers an extensive array of features.



The 5.7 Controller has the 5.2 features plus controls two metering rolls.



The 6.2 Controller is our most advanced, with touchscreen control.



# CULTIPACKERS



## GW 250 M1

Our GW Series cultipackers come with either a Cambridge or a Toothed-ring roller. Ideal for firming and smoothing a seed bed, the GW 250 M1 is a compact solution that works well alone or with our PS Air Seeders for seeding food plots, PS D Air Seeders for granular fertilizer, or MDP seeder/spreaders. Both roller types also work well in grass for reseeding/overseeding, ensuring excellent seed to soil contact with a working width of approximately 8 ft. (Shown with options.)



Cambridge rollers come in 15 3/8" and 20 7/8". Rollers spin freely to follow contours without ripping the surface.



The Toothed-ring roller design creates a self-cleaning roller. It works well in both existing grasses and newly tilled soil.



APV cultipackers with optional seeders come with a convenient step and platform, making hopper filling easy.



## GW 300 M1

The GW 300 offers the same great features as our GW 250, with an additional 2 ft of working width at approx. 10 ft. These versatile cultipackers can be used with a variety of seeding and spreading implements and are ready to tackle a wide range of terrain. If purchased with a PS Series Air Seeder or MD Series Seeder/Spreaders, our step and platform provide easy access for filling the seeder hopper and basic maintenance.





# GRASSLAND HARROWS



## GS 300 M1

The GS 300 M1, a compact cultivation implement, has a working width of approx. 10 ft. It can be used by small tractors starting at 27 hp. Perform up to five tasks with the GS with only one pass, saving time and energy. It also reduces soil compaction and fuel consumption. The GS 300 M1 can be used with Pneumatic Seeders with electric fans such as the PS 120 M1, PS 200 M1 and PS 300 M1.



## GS 600 M1

The impressive all-rounder GS 600 M1 is suitable for the efficient treatment of grassland due to the larger working width of approx.. It is characterised by a high tilt adjustment and can also be used in difficult terrain.

You can combine up to five tasks with the GS 600 M1. It can be used with Pneumatic Seeders with electric fans, hydraulic fans, or PTO shaft fans PS 120 M1, PS 200 M1 and PS 300 M1.





# GRASSLAND COMBINATION HARROWS



## GK 250 M1

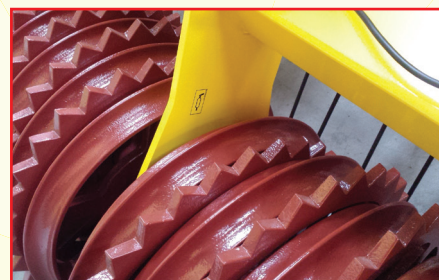
The GK 250 M1 is ideally suited for grass management, including pastures, municipal parks operations, and commercial construction sites. The approx. 8 ft width allows for loading on a flatbed trailer for transport between locations without the need for permits. The combination of spring-mounted leveling plates, 1/2" spring tines and hydraulically operated trailing roller results in excellent soil preparation and seed-to-soil contact for improved germination.



Adjustable 5/16" tines allow for more or less aggressive field operation.



Heavy Toothed-ring roller for new till applications and grass management.



Cambridge roller for existing grass operations.

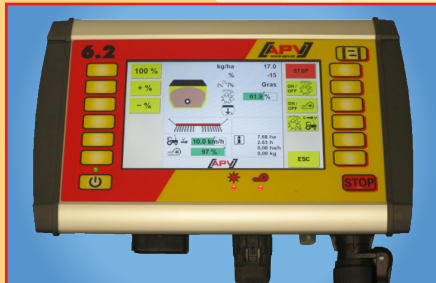


## GK 300 M1

With an approximate 10ft working width, the GK 300 M1 is a robust, versatile implement for grass and pasture maintenance management on virtually any terrain. One pass accomplishes leveling, dethatching, shallow weeding, aeration, and seeding with excellent seed-to-soil contact. Both the harrow section and the cultipacker roller offer 3-pt hitch mounts and can be used separately, for the ultimate in versatility.



The 5.2 Controller offers an extensive array of features



The 6.2 Touchscreen Controller for precision seed applications.



Ideal for pasture rehabilitation.



# GRASSLAND PRO TINED HARROWS



## GP 300 M1

The GP 300 M1 Pro Tined Harrow is the ultimate tool for pasture/paddock seeding and maintenance. Seeding or reseeding with the GP 300 and a PS Seeder will improve your soil profile and the density of your forage stands. The combination of the leveling plates, spring tines, pneumatic seeder, and hydraulically operated roller allow the GP 300 to level, weed, dethatch, aerate, seed, and ensure seed to soil contact in one pass at less cost than a no-till drill.



Adjustable 5/16" tines allow for more or less aggressive field operation.



Heavy Toothed-ring roller for new till applications and grass management.



Cambridge roller for existing grass operations.



## GP 600 M1

The GP 600 M1 Pro Tined Harrow makes quick work of larger fields with a working width of appr. 20 ft. At speeds up to 10-12 mph (2.5 times faster than a no-till drill), your seeding tasks are completed with speed and precision. The 0.5" tines create excellent soil exposure at varying depths, while the adjustable 5/16" tines extract shallow rooted weeds. The hydraulically operated roller ensures the necessary seed-to-soil contact.



Aggressive tine action provides maximum soil exposure for seeding.



Leveling plates, tines and rollers quickly level soft, tilled soil.



GP 600 in transport position.



## TINED WEEDER



### AS 600 M1 / AS 900 M1 / AS 1200 M1

The AS Series Tined Weeders efficiently pull out weeds that have germinated, leaving them on the soil surface to wither. Approximately 90% of germinated weeds are stopped in their tracks.

With the available widths of approximately 20 ft, 30 ft, and 40 ft for the AS 600, AS 900, and AS 1200, there is a tined weeder for every operation. Plus, these weeders are great combined with our PS 120 –PS 500 Air Seeders. Great for organic operations.



## TINED WEEDER PRO



### VS 600 M1 / VS 750 M1 / VS 900 M1 / VS 1200 M1

With its unique tine spring system, the Tined Weeder Pro perfectly adjusts to the soil and protects the cash crop at the highest level. Tine pressure remains constant at different tine levels. As a result, even crops planted on ridges and mounds, such as potatoes, can easily be harrowed.

The VS is available with a widths of approximately 20 ft, 25 ft, 30 ft, and 40 ft and can be combined with the PS 120 - PS 500 Air Seeders.





# SNOW AND ICE REMOVAL SPREADER

## SNOW AND ICE REMOVAL SPREADER FOR PERSONAL USE



### WD 40 M2

The Mini Spreader WD 40 M2 is designed for use in snow and ice removal for private and hobby users. The spreader has a 1.1 bushel hopper and is made of steel with CDC coating. It is ideal for spreading salt and icing agents on frozen walking paths, parking areas and other small private surfaces.

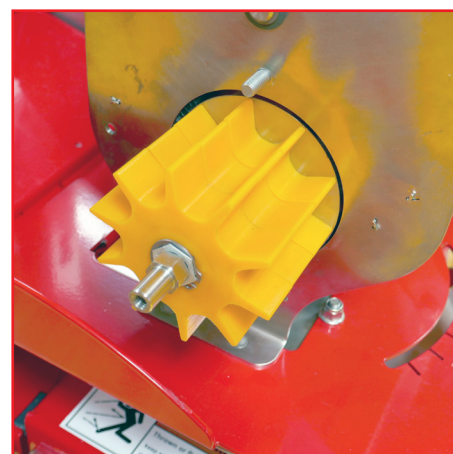


## SNOW AND ICE REMOVAL SPREADER FOR PROFESSIONALS

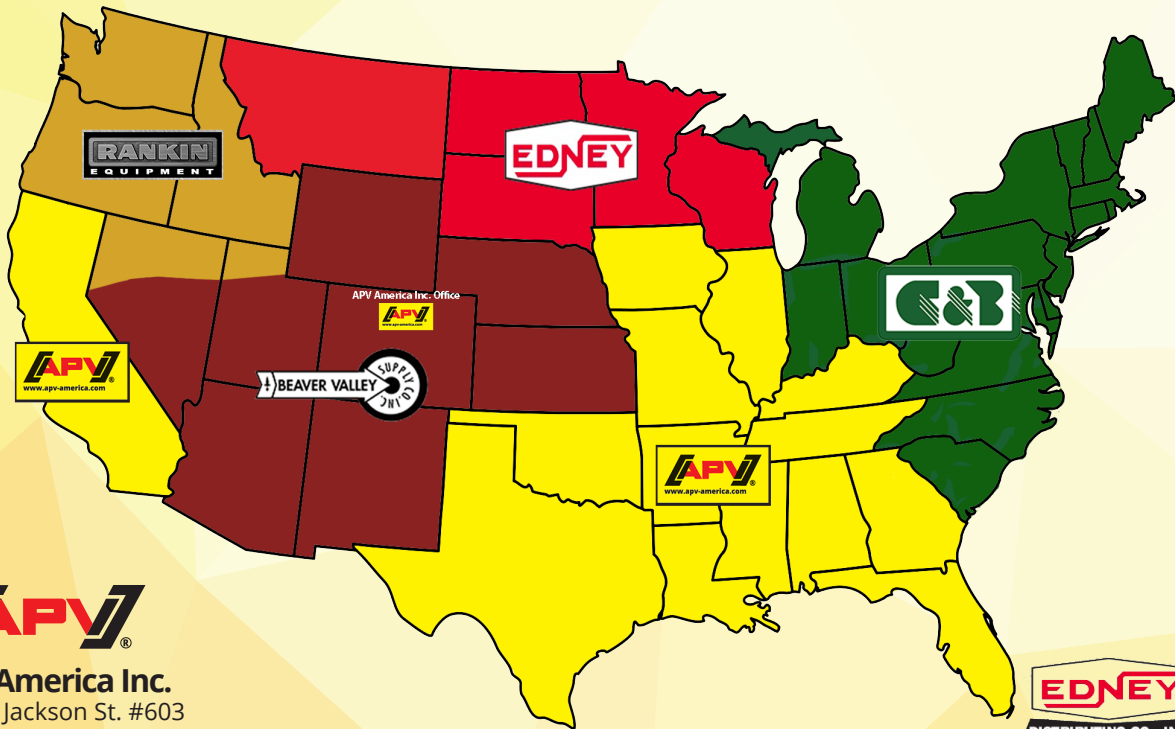


### UDW 100 M1 / UDW 250 M1

The Universal Dispenser UDW 100 M1 with a respectively capacity of 3 bushel and the UDW 250 M1 with a respectively capacity of 7 bushel is a reliable equipment. Due to the seeding shaft it has exact dosage and together with its stainless steel dosing unit it make it to a reliable tool for professional snow and ice removal. Due to the fully electronic control of the entire spreading procedure via the controller, it is possible to adjust both the working width and the spread rate from the driver's seat while driving.



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**APV America Inc.**  
1776 S. Jackson St. #603  
Denver, CO 80210  
[www.apv-america.com](http://www.apv-america.com)  
Phone: (800) 644-9481



**Beaver Valley Supply Co.**  
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**Cummings & Bricker, Inc.**  
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P.O. Box 168  
Yakima, WA 98907  
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(800) 426-2009

**APV America Inc.**  
1776 S. Jackson Street  
Suite 603  
Denver, CO 80210  
Phone: (800) 644-9481  
[info@apv-america.com](mailto:info@apv-america.com)  
[www.apv-america.com](http://www.apv-america.com)

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[www.apv-america.com](http://www.apv-america.com)

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