

# *AGP (All Grades Pellet)* *Pellet Burning Stove & Insert*



# *AGP Pellet Insert*



*EPA Certified*  
*Only 0.66 Grams/Hour*

# Easy to operate...Easy to live with...Easy to own!



## Why Do We Call it the AGP?

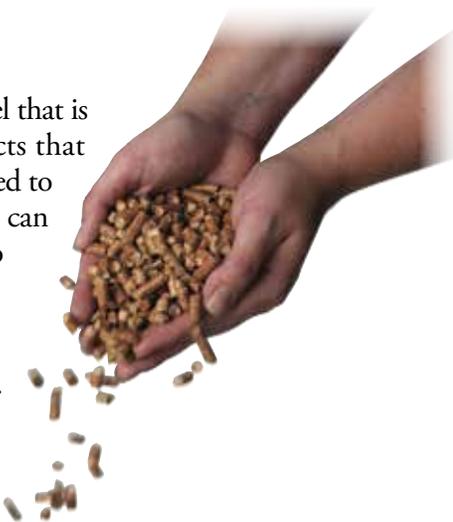
The Avalon AGP freestanding stove and insert offer all the benefits of wood heating plus fuel that is clean, compact and easy to use. The pellets are made from all-natural wood by-products that are safe for the environment and are a renewable resource. The AGP appliances are designed to efficiently burn ALL GRADES of wood pellets to produce a quick, convenient heat. You can operate these pellet appliances with either a simple manual process, the wall thermostat to maintain your desired room temperature, or the remote control to program the room temperature and shut-off time.

The AGP freestanding stove and insert are both EPA Certified and extremely clean burning.

- Emissions:\* Stove - 0.67 Grams/Hr. and Insert - 0.66 Grams/Hr.
- Efficiency:\*\* 78%

\*Emissions number was achieved using the EPA method 5-G and 28A.

\*\*Both AGP appliances were not tested for efficiency. The 78% value is a default efficiency applied by the EPA to non-catalytic pellet heaters.



The AGP appliances are designed to be efficient home heaters. Both the stove and insert can heat from 800 to 2,000 square feet. The AGP stove features a huge 80 pound hopper capacity that when fully loaded with the burn rate set to low, you can expect up to 57 hours of continuous heat without refueling. The AGP insert has the ability to fit into virtually any fireplace opening, big or small. It features an adjustable hopper that allows the hopper capacity to be maximized, based on the size of the firebox. 40-70 pounds of pellets can be loaded into the hopper, depending on the adjusted size. With a full hopper and low burn rate, experience up to 28-50 hours of continuous heat without having to reload your hopper.

The AGP stove and insert use high grades of 304 and 309 stainless steel in areas of the firebox where the combustion intensifies at its highest. Even the firebacks are made from stainless steel, not ceramic or aluminum. The AGP appliances are engineered with quality throughout for excellent daily performance and long-life reliability, and they are backed by our "Real World" Seven Year Warranty.

## Easy To Live With!

Just fill the hopper and walk away...almost. With any pellet appliance there are things you need to do in order to keep them running. By cleaning your pellet stove or insert you will burn less pellets and get the maximum heat output, saving you money.

The Avalon AGP appliances do most of the basic maintenance for you. Monthly and annual maintenance is simple and requires no special tools. The complete system can be cleaned in a matter of minutes.

## State-of-the-Art Control Panel

Your pellet appliance operation is controlled by an easy to understand control board.

Seven control functions and features:

- |                 |   |
|-----------------|---|
| 1. Start Button | Starts the appliance  |
| 2. Stop Button  | Stops the appliance   |
| 3. Heat Control | Adjusts the heat output from low to high. 1.4 lbs – 5 lbs per hour            |
| 4. Fan Control* | Adjusts the room air fan to move air through the appliance and into the home. |
| 5. Thermostat   | Allows the appliance to be controlled by a remote thermostat.                 |
| 6. LED Light    | Illuminates panel for easy reading of controls                                |
| 7. System Fuse  | Easy access to replace fuse if needed   |

*\*You can make it even easier by combining the heat and fan functions to operate together. Simply turn the fan control all the way to the left until the BLUE "Auto Fan" light illuminates.*



Watch the AGP Homeowner's Video.



# *AGP Pellet Stove*



*EPA Certified  
Only 0.67 Grams/Hour*

## *Optional Stainless Steel Side Panels*

The AGP appliances offer optional lightly brushed Stainless Steel Side Panels - an easy way to customize the look of your AGP stove or insert in just minutes!





*NEW HRD feed system features case hardened cutting blade to cut through the toughest pellets!*

## Horizontal Rotary Disc (HRD)

The heart of the AGP system is the Horizontal Rotary Disc (HRD). Its purpose is twofold;

- (1) It controls the amount of fuel that leaves the hopper and enters the auger.
- (2) No direct path between the burning fuel, the auger and the hopper, eliminating any chance there is of burn back.

The Horizontal auger moves the fuel from the drop zone to the inclined platform. By being horizontal it offers two distinct advantages;

- (1) Along with the pellets it moves the pellet fines onto the burn platform to be burned instead of causing a potential maintenance issue - more heat, less waste
- (2) Less stress on auger motor - longer life with years of smooth, quiet operation



*Watch a video on how the HRD feed system works!*



*Stainless Steel Burn Platform*

**Burn Platform** – This is where intense combustion occurs. The burn platform is made of long-life high-grade 309 stainless steel and is 3/16” thick. The inclined floor of the burn platform is at a 14 degree angle and is self-tuned to burn the fuel completely and still maintain its self-cleaning benefit. As new fuel enters the platform, ash and particulate matter is pushed into the ashpan for easy removal as routine maintenance dictates. Because these units are self-cleaning, you are rarely required to remove any unburned clinkers. But if it is necessary to assist the system, the burn platform clean-out tool provided that it does it with ease.



*Air Tube Scraper Tool*

## Optional Thermostat and Remote

The AGP appliances feature GreenSmart™ technology that allows them to automatically adjust the flame and heat output by up to 72%. This feature is designed to give you the ability to operate your pellet stove or insert with multiple thermostat systems.



*Wall Thermostat*



*Remote Control*

The GreenSmart thermostat system allows you to customize the control board to adjust the heat output once the room reaches a desired setting. You can select from 3 different pre-set sequences to use less fuel and reduce heat swings for a more balanced heat output. The best part is it's just the push of two buttons to accomplish this and can be set by your installer or if you prefer, you can do it yourself. The instructions are easy to understand and can be found in the Owner's Manual and Home Owner's DVD.



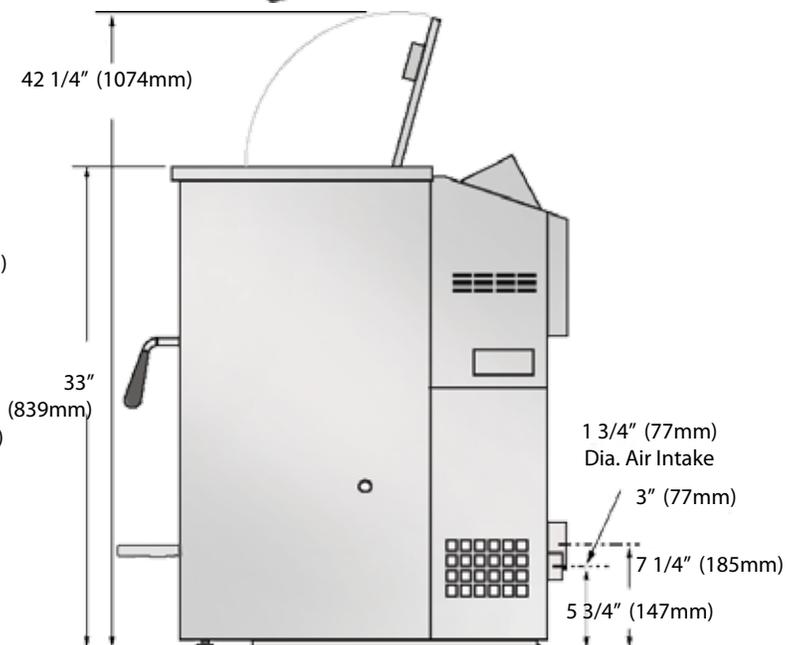
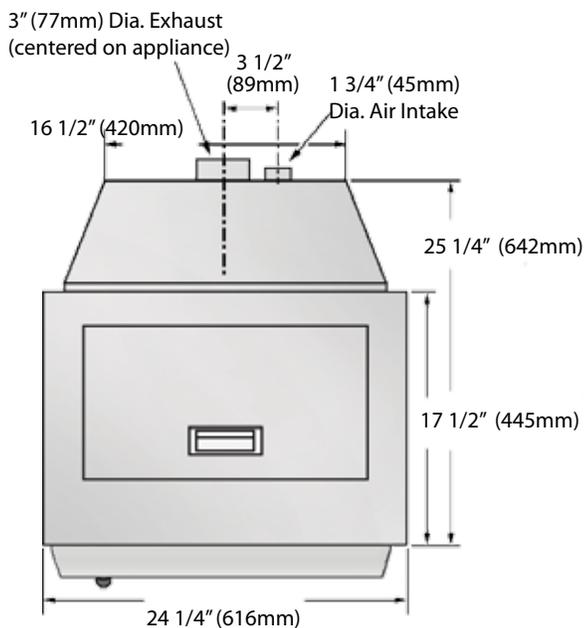
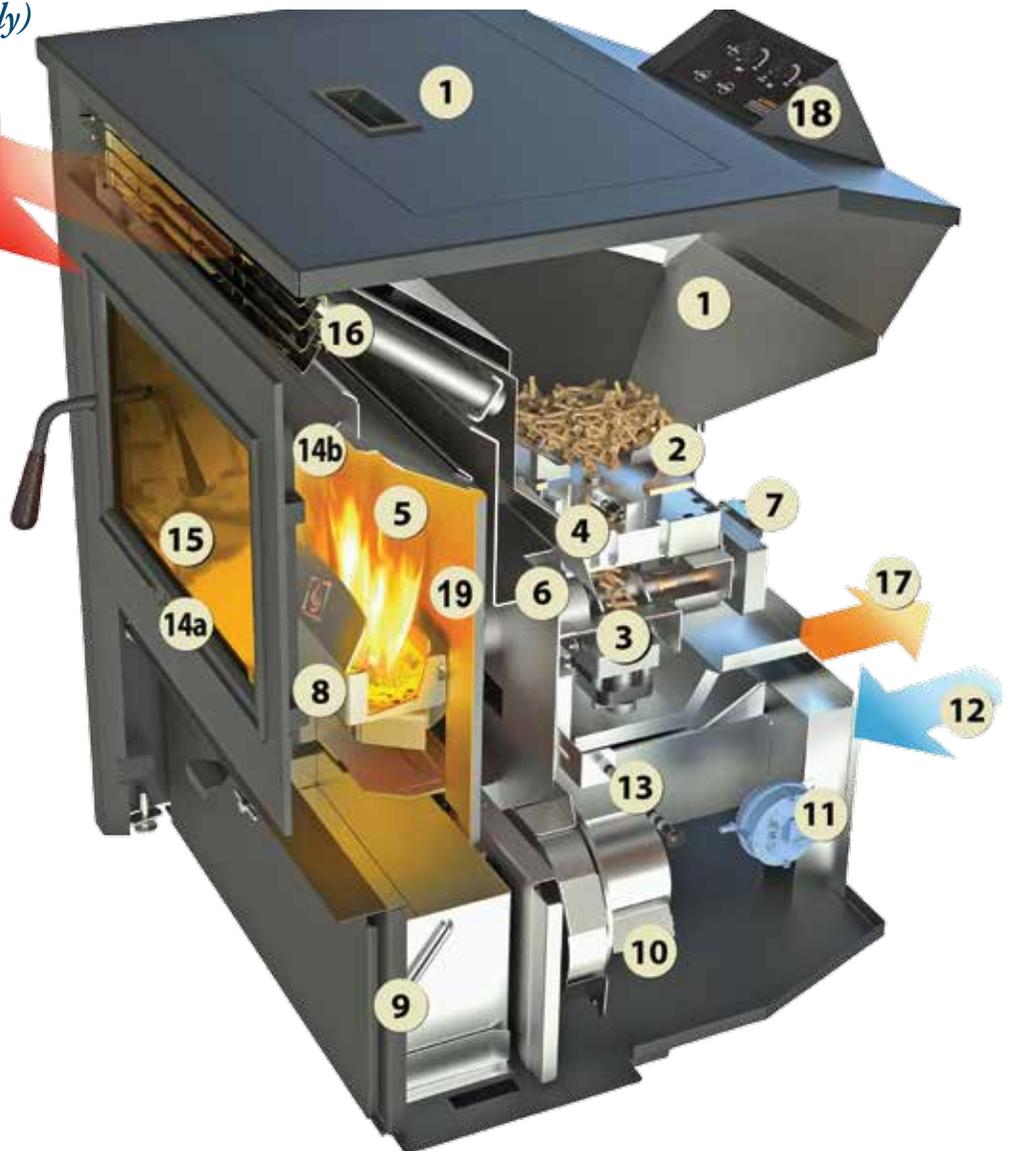
*Easy To Maintain*

Adjustable Hopper	Heating Capacity*	Burn Times*	Turn Down Ratio*	Btu/Hour Range*	Burn Rate Per Hour*	Glass Area
40 to 70 lbs.	800 to 2,000 Sq. Ft.	On Low - 50 Hours On High - 28 Hours	72%	Low - 11,480 High - 41,000	1.4 lbs. on Low 5 lbs. on High	321 Sq. In.

\* HEATING CAPACITY may vary depending on the degree of home insulation, floor plan and ambient temperature zone of the area in which you live. BTU/Hour range, Turn down ratio and burn times will vary with the quality, size and brand of pellets used.

# AGP Stove & Insert Features

1. 80 lbs. Capacity Hopper (Stove only)
2. Horizontal Rotary Disk (HRD)  
Feed with Case Hardened,  
Replaceable Shear Blade
3. **NEW** Drive Motor for  
HRD - 45% stronger motor  
to slice through the toughest pellets,  
quietly and efficiently!
4. Pellet Holding Chamber
5. Fire Chamber
6. Primary Fuel Feed Auger
7. Drive Motor for Auger
8. Stainless Steel Burn Platform
9. Ash Pan
10. Combustion Fan
11. Negative Pressure Flow Switch
12. Outside Combustion Air
13. Combustion Air Restrictor
- 14a. Air Wash (Bottom)
- 14b. Air Wash (Top)
15. Ceramic Door Glass
16. External Heat Exchange Tubes
17. 3" Exhaust
18. Easy to Understand Controls
19. Stainless Steel Firebox Liners



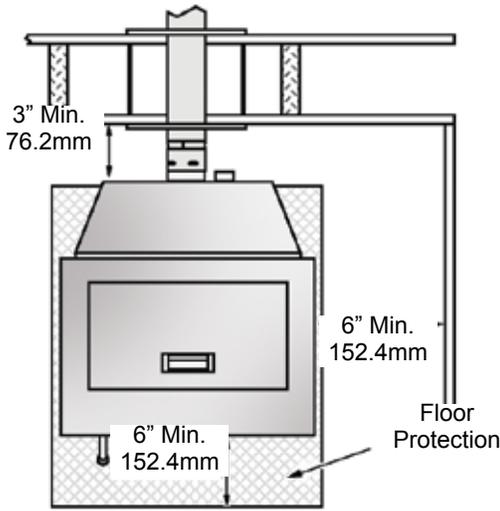
Use these illustrations as a guide only. For complete installation instructions please refer to your Avalon Dealer or go to the AGP Pellet product page at [www.avalonfirestyles.com](http://www.avalonfirestyles.com).

**NOTE:** Improper installation of your pellet appliance or failure to operate it in accordance to the guidelines detailed in the Owner's Manual may negate your warranty and endanger your home and family.

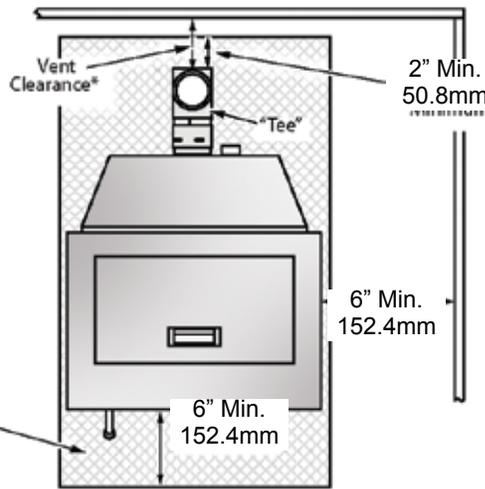
## Minimum Clearances To Combustible Walls

Stove clearances measured from top of stove. Connector clearances measured from exhaust vent.

### Straight Wall Through The Wall Installation



### Interior Vertical Vent Installation



### Floor Protection

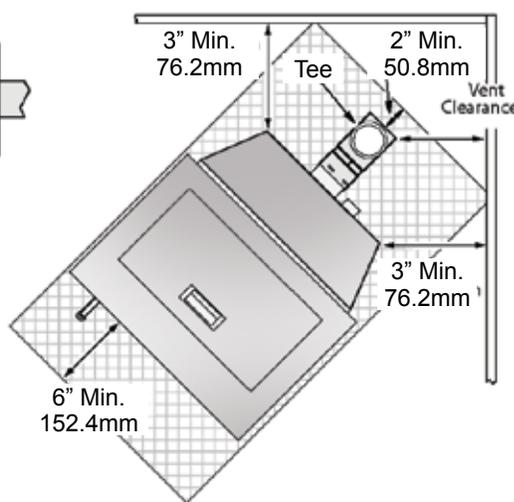
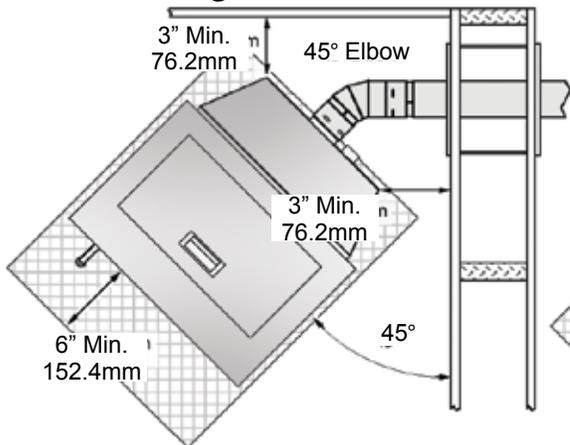
The pellet stove must be installed on a non-combustible surface protector extending the full width and depth of the heater and extending 6" (153mm) in front and 2" (51mm) to each side and under the rear exhaust Tee. Hearth protection must be a minimum .018" thick (26 gauge).

### Alcove Requirements

When installed in an alcove with a ceiling height less than 7 ft (2.134 M).

- Minimum Height is 60" with 6" side and 3" rear clearance to wall
- Minimum Width is 36-9/16" with min. clearance of 3" for horiz. venting.
- Maximum Depth is 48" with minimum clearance of 2" from pipe for vertical venting.

### Corner Through The Wall Installation Interior Vertical Vent Installation



### Child Safety

If you have small children or even pets, we highly recommend you consider purchasing a safety screen or guard to prevent the possibility of burns resulting from accidental contact with the hot surfaces of the stove. Ask your Avalon dealer for their recommendations on safety options for your particular installation.

### Stove and Insert Testing

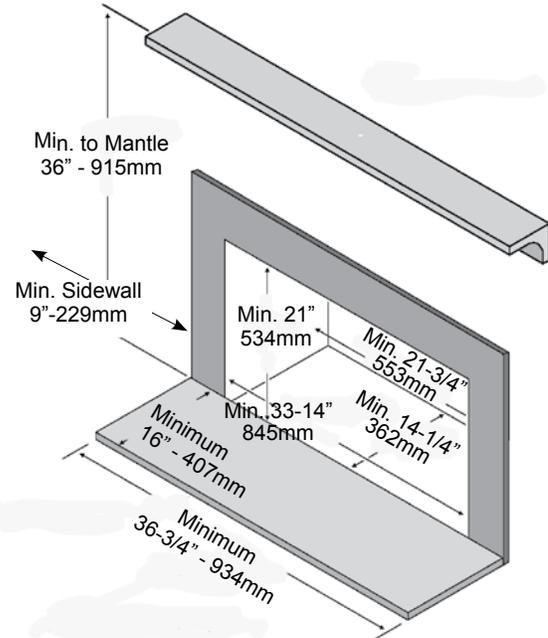
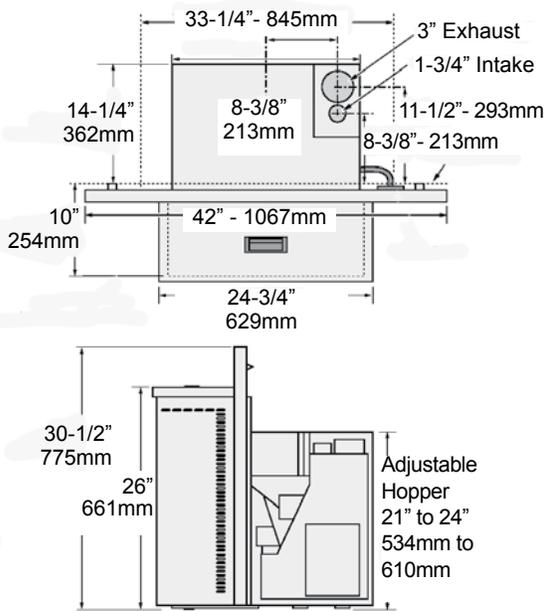
Listed Pelletized Solid Fuel Burning Appliance. Also for use in mobile homes. Certified for the US and Canada. Conforms to ASTM E1509-04, Room Heater Pellet Burning Type (UM) 84 HUD; Certified to ULC S627. Tested and listed for mobile homes in accordance with OAR 814-23-900 through 814-23-909. Tested and Listed by Intertek ASTM E1509-4.

# All Avalon firestyles are proudly made in the U.S.A.

## Dimensions and Minimum Fireplace Clearances

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**NOTE:** Improper installation of your pellet appliance or failure to operate it in accordance to the guidelines detailed in the Owner's Manual may negate your warranty and endanger your home and family.



## Floor Protection

The pellet insert must be installed on a non-combustible surface. A non-combustible hearth must extend 6" to the front and sides of the firebox opening. Hearth protection must be a minimum .018" thick (26 gauge).

## Pellet Venting

Avalon has partnered with Duravent Mfg. to offer two great cost effective venting options specifically designed for the AGP insert.

Ask your Avalon Dealer for details.

3" AGP Pellet Insert Masonry Liner Kit  
Part # 98900052

4" AGP Pellet Insert Masonry Liner Kit  
Part # 98900053

## Child Safety

If you have small children or even pets, we highly recommend you consider purchasing a safety screen or guard to prevent the possibility of burns resulting from accidental contact with the hot surfaces of the insert. Ask your Avalon dealer for their recommendations on safety options for or insert your particular installation.

## No Fireplace, No Problem

An optional ZC kit is available for homeowners who do not have a fireplace but would like to achieve the look of one. It is also ideal for new construction and remodels without fireplaces. This new ZC kit features a wide interior design that makes for easy installation and service of the AGP pellet insert. It includes a non-combustible floor panel, top or rear venting options, and knock-outs on both sides for the Insert Wiring Kit.



See the wide range of  
Avalon products at:  
[www.avalonfirestyles.com](http://www.avalonfirestyles.com)

We reserve the right to improve or change our products at any time without prior notification. Please refer to the Owner's Manual for complete installation requirements. Photos and illustrations are for descriptive purposes only. All rights reserved Copyright 2014/9 T. I. #98800719