

OPW launches next generation fueling nozzles and system solution

AVANCE by OPW has been designed to solve the inherent problems of current fueling nozzles and is based on both global end consumer research as well as extensive industry customer input on how the ideal fueling nozzle should perform and look.

With its multiple patents, AVANCE will set a new standard for fueling nozzles worldwide.

Its technical innovations will increase profitability, decrease service and main-tenance costs for operators and protect consumers and the environment during the filling process.

AVANCE is available as conventional nozzle, vapor recovery nozzle and complete system solution with hose and swivel.



Closing with the flow poppet design

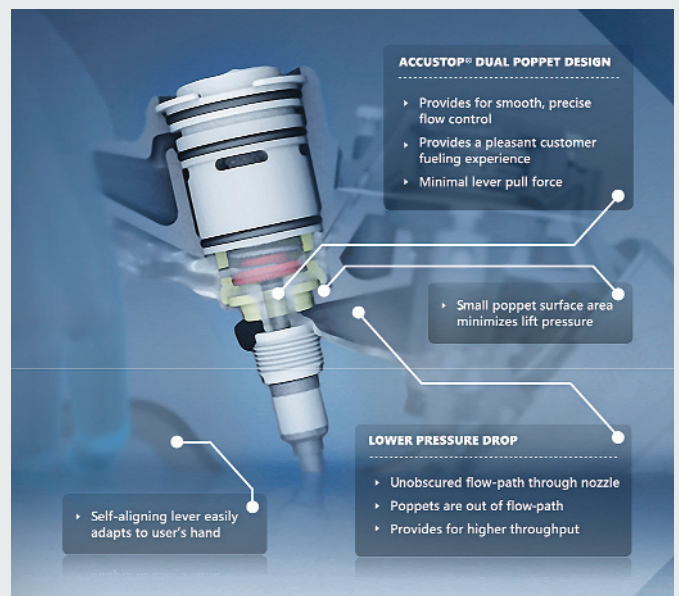
Closing with the flow enables a better consumer experience by providing reliable and positive sealing, resulting in fewer drips during and after the fueling process. Accidental fuel discharge from the nozzle is being prevented. Any increase in hose pressure from fuel expansion (e.g. sun loading, temperature increase) will close the main valve even tighter.

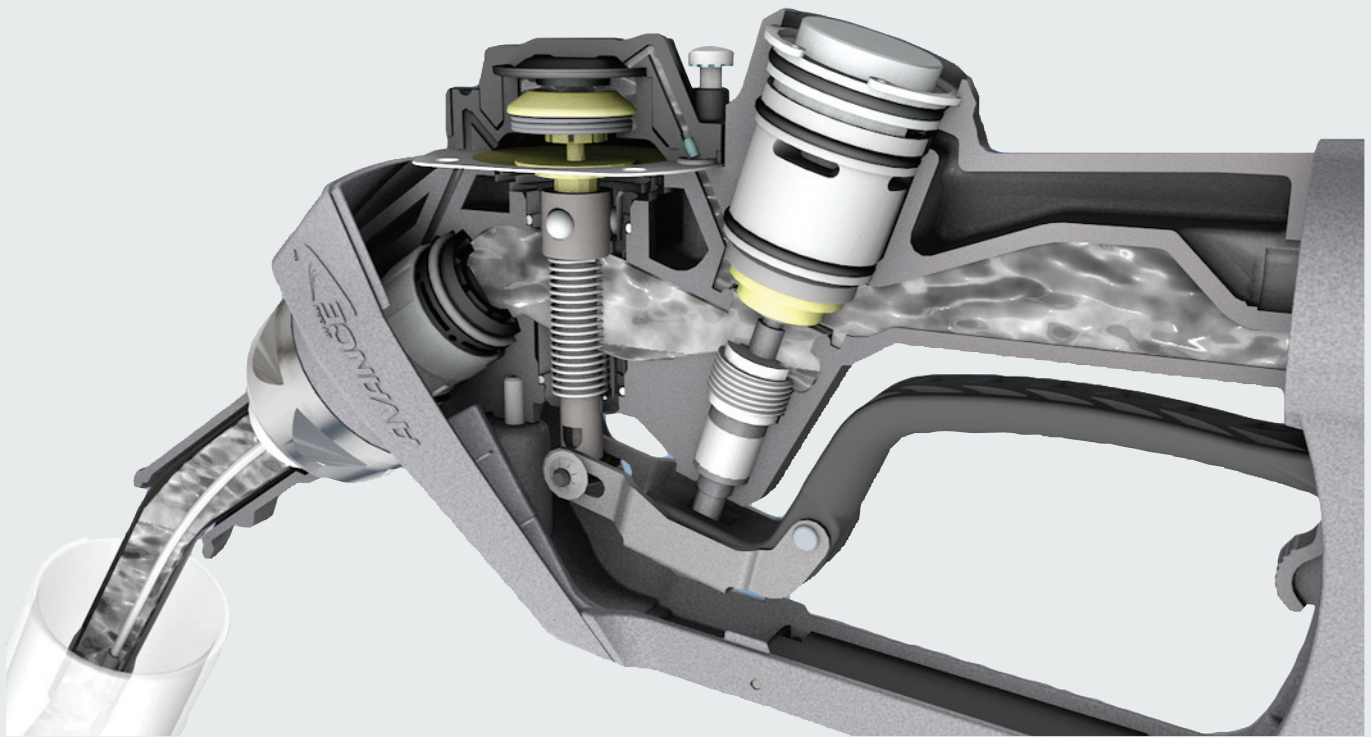
Low line shock

The main valve assembly is fitted with a hydraulic dampener. Fuel is channeled first through three small holes, causing the main valve to close a little slower, and, thereby, significantly reducing the line shock which increases the longevity of the nozzle and provides a more positive fueling experience for the consumer.

Soft to open, soft to close, precise rounding

Considerably less force is needed to open and close the nozzle due to AVANCE's dual fuel valve design. It also ensures precise rounding off due to its two stage closing process.





AVANCE Safety Cap

Is a special pressure sensing mechanism for prepay and card lock systems which protects consumers and the environment against accidental fuel spills. It operates with the no pressure/no flow principle. Safety cap equipped nozzles cannot be opened until the pumping system is pressurized and they automatically close when pressure is being removed and/or the dispenser is being turned off.

Unmatched durability

Since the early development stages AVANCE nozzles have been subjected to extensive testing to ensure all its variants perform at optimal levels under extreme conditions relative to climate, handling and standard usage.

The rigorous testing was also designed to increase profitability of the operators by minimizing service costs, spare parts replacement and downtime due to maintenance.

The average nozzle tested completed over 1.500.000 shut off cycles!

The combination of closing with the flow design, high manufacturing quality and an optional extreme cold weather seal package ensures superior performance within a temperature range of -20C to +55C.



Color customization

The leading edge industrial design can be customized with up to 36 color combinations to suit operator's needs and wants and be used as an effective branding tool for the business. Besides the ability to clearly distinguish all fuel grades, operators have the possibility to customize AVANCE based on the color of the dispensers, forecourt or the entire petrol station.

Complete and certified system solution

The AVANCE system solution guarantees better technical performance, is fully backwards compatible and the one stop shopping saves time.

Both conventional and vapor recovery hoses are specifically produced for AVANCE by Goodyear.

The AVANCE multi plane swivel breakaway combines swivel and breakaway in one piece. Its 360 degree axial rotation and 70 degree side-to-side rotation enables the system to be automatically aligned in the pull direction, minimizing material strain and enhancing the consumer experience.

AVANCE is a global product in compliance with ATEX and UL standards.



Every year millions of liters of fuel are being wasted, soil petrol station forecourts and customer's shoes, contaminate the environment and potentially harm consumers when fueling nozzles discharge accidentally, leak, open because of too much pressure, do not close correctly or start leaking when not being used due to early material fatigue.

AVANCE by OPW has been designed to stop this.

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More information can be found on www.avancebyopw.com