

AIR VALVES

BAYARD RANGE

AUTOMATIC AIR VALVE

For many reasons air has to be controlled and used in networks, however air pockets can cause financial damage and lower efficiency of the network.

Thanks to an internal float reacting to air and media effects, the automatic air valves allow constant degassing during operation to avoid these air pockets.

A simple design providing a long-lasting efficiency, the TALIS AUTOMATIC AIR VALVE is adaptable to your operation conditions thanks to its different connections and pressure class.

The smart exhaust technology from the larger three functions air valves has been adopted on the AUTOMATIC AIR VALVE, for an easy, safe and long service life.



MARKETS



Water
distribution
network



Irrigation

TECHNICAL DATA

Flanged type: DN40 up to DN80

Threaded type: 1" male BSP

Working pressure: 16 bar, 25 bar, 40 bar

Flange drilling according to standard EN 1092-2 and ISO 7005-2: ISO PN10/16 for DN40 to 80, ISO PN25 for DN50 to 80, ISO PN40 for DN50 to 80

"BSP" profile thread according to standards ISO 228-1 and NF E 03-005

Medium Temperature: up to +70°C

APPROVALS

ACS French approval

Made from WRAS approved materials

ADVANTAGES

OPERATION CONTROLLER

Built-in operation controller for easy testing.

RELIABILITY

Guaranteed by years of field experience and installations.

STOPCOCK

Integrated stopcock for easy isolation.

CHARACTERISTICS

└ **Exhaust controller** for safe operation. The "test" position allows the operator to check that the degassing orifice is not clogged and is working properly, without dismantling the valve.

└ **Type 102** for working pressure PN16 and PN25, **type 150** for working pressure PN25 and PN40.

└ **Isolating ¼ turn ball valve** – Included, with lockable 17 x 17 square cap.

└ **BSP profile thread or flanged** – According to requirements.



AIR VALVES

BAYARD RANGE

VANNAIR THREE FUNCTIONS AIR VALVE

For many reasons air has to be controlled and used in networks. Thanks to internal systems reacting to air and media effects, three functions air valves allow different operations: air degassing, high flow rate air inlet, and high flow rate air outlet.

TALIS VANNAIR allows the control of air in networks: its performances and reliability have been proven by long-term field experience.

The range is divided in four theoretical categories according to DN of the network protected by the VANNAIR : V200, V500, V1000 and V2000.



MARKETS



Water treatment



Water transmission



Water distribution network



Irrigation



Industrial water applications

TECHNICAL DATA

Flanged type: DN40 up to 200 in standard, DN250 on request

Working pressure: 10 bar, 16 bar, 25 bar, 40 bar

Flanges drilling according to standard EN 1092-2 and ISO 7005-2: ISO PN10 up to ISO PN40 according to working pressure

Medium Temperature: up to +60°C

APPROVALS

ACS French approval
Made from WRAS approved materials

ADVANTAGES

PERFORMANCES

High aerodynamic performances with smooth operation.

OPERATION CONTROLLER

Built-in operation controller for easy testing.

STOPCOCK

Without or with stopcock as isolating valve.

CHARACTERISTICS

└ **Unrestricted free flow ventilation design** – Ensures high aerodynamic performances, air can circulate freely out of the air valve after being directed by the cover.

└ **Exhaust controller** – For a safe operation. The “test” position allows the operator to check that the degassing orifice is not clogged and is working properly, without dismantling the valve.

└ **Compact design** – Thanks to the combination of float and disc.

└ **Protection** of the degassing function on the V2000 air valve.

└ **All-in-one version** proposed with to the integration of a stopcock or isolating valve.



AIR VALVES

ERHARD RANGE

TWIN AIR THREE FUNCTIONS AIR VALVE

For many reasons air has to be controlled and used in networks. Thanks to internal systems reacting to air and media effects, three functions air valves allow different operations: air degassing, high flow rate air inlet, and high flow rate air outlet.

TALIS TWIN AIR ensures air control in the network: its efficiency and robustness have been proven by field experience. TWIN AIR offers the possibility of connecting additional pipes to both degassing and ventilation outlets. Optional features such as an anti-water hammer device are offered to fit your requirements.



MARKETS



Water treatment



Water transmission



Water distribution network



Irrigation



Industrial water applications

TECHNICAL DATA

Flanged type: DN50 up to 200 in standard, DN250 and DN300 on request

Working pressure: 10 bar, 16 bar, 25 bar, 40 bar

Flanges drilling according to standard EN 1092-2 and ISO 7005-2: ISO PN10 up to ISO PN40 according to working pressure

Threaded connection on large outlet: G 2 1/2 for DN50 up to DN100, G 4 for DN150 and DN200

Medium Temperature: up to +70°C

APPROVALS

Made from DVGW and KTW-270 approved materials

Made from WRAS approved materials

ADVANTAGES

ANTI-CORROSION MATERIALS

Robust construction and materials for a longer service life.

PERFORMANCES

Large cross-section for very high ventilation speeds.

PIPABLE OUTLETS

Both outlets can be channelled for safety reasons.

CHARACTERISTICS

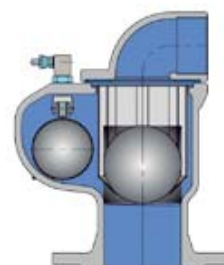
└ **High ventilation performances** – For safe pipe ventilation during the filling and draining process or in case of emergency. A reactive system ensures that the air release is in operation.

└ **Patented self-cleaning feature** on the degassing system. This device works at each operation cycle and prevents the outlet from clogging to guarantee its proper working.

└ **Anti-corrosion materials** for a long-lasting product: inside enamelling protection, stainless steel parts.

OPTION

The surge minimizer device ensures water hammer protection thanks to a buffer of air created in case of pressure surge.



AIR VALVES

ERHARD RANGE

AIR BEG UNDERGROUND SET

When an air valve is required and there is no place for a buried room installation, or when the environment is dangerous for pedestrians (expressways...), or in other particular cases, TALIS is able to provide the perfect solution.

The AIR BEG air valve set is a fully reliable kit of fittings and air valve for underground direct installation. Just connect the bottom flange to the underground network, and the AIR BEG does the rest. As the set is buried almost to the top, the AIR BEG design is a 100% reliable system, manufactured from anti-corrosion robust materials. The air valve, on its own, can be easily pulled out of its seat thanks to a removing device.



MARKETS



Water
distribution
network



Irrigation

TECHNICAL DATA

Flanged type: DN80

Working pressure: 16 bar in standard, 25 bar on request

Flange drilling according to standard EN 1092-2 and ISO 7005-2: ISO PN10/16/25

4 different heights

Medium Temperature: up to +60°C

APPROVALS

Made from DVGW and KTW-270 approved materials

ADVANTAGES

ANTI-CORROSION MATERIALS

Robust construction and materials for a longer service life.

RELIABILITY

No risk of leakage thanks to a specific shut-off system.

EASY MAINTENANCE

A removing device allows easy extraction of the AIR BEG.

CHARACTERISTICS

└ **Three functions air valve** for small space requirement installation.

└ **Anti-corrosion materials** as the set is directly buried. Cover and sleeve pipe are made from top-quality stainless steel. Bottom part fully protected with epoxy coating and enamel inside.

└ **100% reliable automatic shut-off system** – Ensured by a multi-chamber GRP ball.

└ **Insect screen** – On air outlet and filter pad on the air valve for intrusion protection.

└ **Drain outlet** – With possible 20mm connection.



INTERNAL AIR VALVE SUB-ASSEMBLY