

449 - 449S



AUTOMATIC VALVE WITH OR WITHOUT MANOMETER

TECHNICAL SPECIFICATIONS

MAX WORKING PRESSURE	10 BAR
MAX WORKING TEMPERATURE	80°C
PRESETTING	1,5 BAR
PRESSURE REGULATION:	1-4 BAR
FLOW [Kvs]:	1,22 m³/h
VERSION	449 WITH MANOMETER
	449S WITHOUT MANOMETER



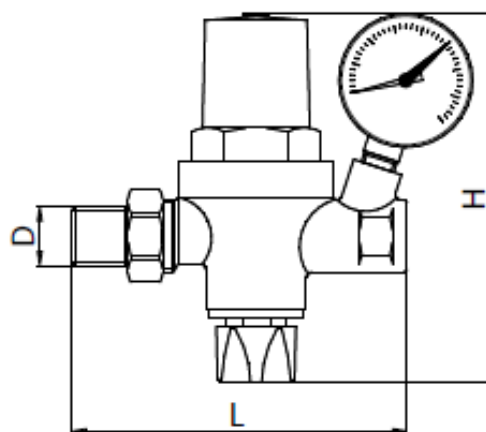
BUILT IN FILTER, SHUT OFF VALVE AND CHECK VALVE INTEGRATED.

MATERIALS

DESCRIPTION	MATERIAL
BODY	BRASS CW617N UNI EN 12165
VALVES	BRASS CW617N UNI EN 12165
STEM	BRASS CW614N UNI EN 12164
GASKETS	NBR
CAP AND HANDLE	NYLON WITH GLASS FIBER

OVERALL DIMENSIONS

D	H	L
1/2"	119	137





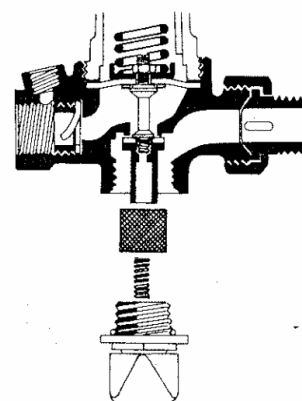
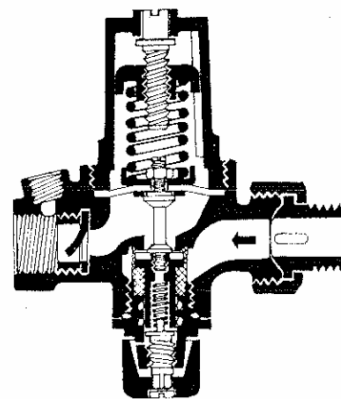
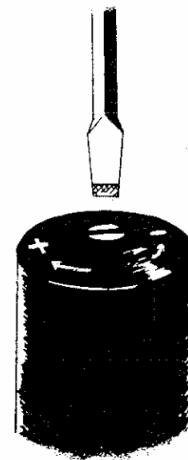
FUNCTION

THE FILLING VALVE IS A DEVICE CONSISTING IN A PRESSURE REDUCER, AN INLET FILTER, A SHUT-OFF VALVE AND A CHECK VALVE.

IT IS DESIGNED TO BE INSTALLED ON THE INLET PIPE IN HEATING SYSTEM CLOSED CIRCUITS.

ITS PURPOSE OF USE IS TO KEEP THE SYSTEM PRESSURE STABLE , GIVEN A SET VALUE, AND PROVIDE THE AUTOMATIC REINTEGRATION OF LOSS WATER.

AFTER INSTALLATION, DURING THE FILLING OR REPLENISHING, THE SUPPLY WILL STOP WHEN THE SETTED PRESSURE HAS BEEN REACHED.



INSTALLATION

THE FILLING GROUP IS INSTALLED ON THE INLET PIPE IN THE BOILER, FOLLOWING THE DIRECTION OF THE ARROW PRINTED ON THE VALVE BODY.

CALIBRATION

THE CALIBRATION IS MADE OPERATING ON THE ADJUSTING SCREW AT THE CENTER OF THE CAP, TURNING IT TO THE RIGHT OR THE LEFT TO INCREASE OR DECREASE THE PRESSURE AND PAYING ATTENTION TO THE VALUE READ ON THE MANOMETER.

IN PRESENCE OF A PRESSURE DROP, THE FILLING VALVE WILL RESTORE THE PRESSURE PREVIOUSLY SETTED.

MAINTENANCE

IF THE VALVE, AFTER THE FIRST FILLING, DOES NOT LOAD WITH ADEQUATE SPEED, IT IS APPROPRIATE TO CHECK THE FILTER, UNSCREWING THE SCREW OF THE CAP.

IT IS **IMPORTANT** NOT TO USE CHEMICAL PRODUCTS TO CLEAN, IT CAN DAMAGE THE GASKETS.

AFTER THE CLEANING , ASSEMBLE THE COMPONENTS.

NOTE: THE CALIBRATION WILL BE UNCHANGED.



FLUID CHARACTERISTICS



IN ORDER TO GRANT PRODUCT WARRANTY, THE QUALITY OF THE WATER CONTAINED IN THE SYSTEM HAS TO BE IN CONFORMITY WITH THE RULES IN FORCE IN THE COUNTRY OF RELEVANCE OR AT LEAST TO PRESENT FEATURES NOT LESS THAN THOSE PRESCRIBED BY ITALIAN NORM UNI 8065:2019.

AS GENERAL MINIMUM INDICATIONS, AT LEAST THE FOLLOWING PARAMETERS HAVE TO BE RESPECTED:

ASPECT:	LIMPID
PH:	> 7 & < 8,5
IRON (FE):	< 0,5 MG/KG
COPPER (CU):	< 0,1 MG/KG
ANTIFREEZE (*):	PASSIVETED PROPYLENE GLYCOL
CONDITIONING (*):	IN THE RESPECT OF THE CONCENTRATIONS INDICATED BY THE PRODUCER

(*) ANYWAY, IN CASE OF USE OF ADDITIVES OR CONDITIONING SUBSTANCES, YOU WILL HAVE TO PRE-VENTIVELY VERIFY THE COMPATIBILITY OF THE SUBSTANCES YOU INTEND TO USE WITH RESPECT TO THE CONSTRUCTION MATERIALS STATED IN THIS TECHNICAL DOCUMENT FOR ALL OUR PRODUCTS.

