

NABIC®

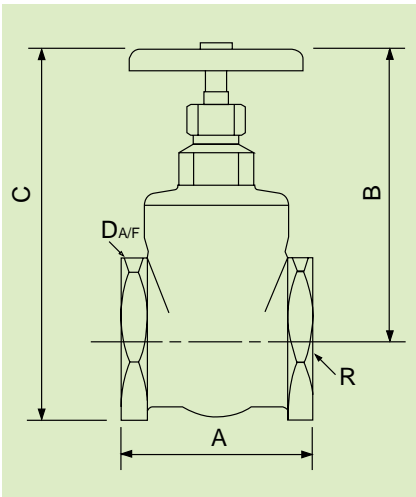
GATE AND STOP VALVES

Fig 145



BODY MATERIAL : GUNMETAL

DIMENSIONS



SIZE DN	R BSPT	A mm	B mm	C mm	D mm
15	1/2	46.5	70	87	28.5
20	3/4	53.5	81	101	35
25	1	60.3	99	124	42.5
32	1 1/4	71	115	145	52
40	1 1/2	75	129.5	163	58.5
50	2	88	157	199	72
65	2 1/2	103.5	208	260	90
80	3	120	238	297	102

APPLICATIONS

Nabic Fig 145 gate valves are intended for use as shut off valves where either fully open or fully closed conditions are required as in the case of heating systems. The wedge design permits fluid flow in either direction and the full bore orifice results in a low pressure drop across the valve which keeps pipeline losses to a minimum.

The Nabic Fig 155 stop valves are ideally suited for above ground cold water use.

CONSTRUCTION

The valves are of gunmetal construction, with all wetted parts manufactured from dezincification resistant materials. Connection sizes are of equal size and have female threads to BS21. The gate valve range have non-rising stems and metal to metal seating. The stop valves have a resilient soft seal design. A Lockshield version is also available.

FEATURES

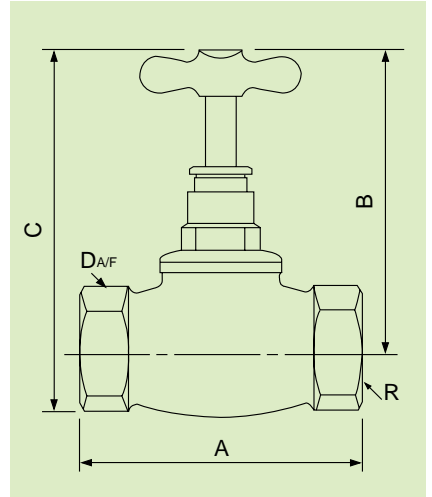
- DZR MATERIALS
- HIGH DEGREE OF SEAT TIGHTNESS
- NON-RISING STEM DESIGN FOR GATE VALVE
- SCREWED CONNECTIONS

Fig 155



BODY MATERIAL : GUNMETAL

DIMENSIONS



SIZE DN	R BSP	A mm	B mm	C mm	D mm
15	1/2	75	90	104	25
20	3/4	82.5	115	134	32
25	1	101.5	125	149	42
32	1 1/4	130	150	180	51
40	1 1/2	135	146	180	59
50	2	158	190	231	72

NABIC®

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ANTI-VACUUM VALVE

Fig 568



BODY MATERIAL	: GUNMETAL
MAXIMUM PRESSURE	: 13.5 bar
MAXIMUM TEMPERATURE	: 195 deg.C

CONSTRUCTION

The Fig 568 is supplied with PTFE or Viton to metal seating design which provides excellent seat tightness.

The valve is approved by the Water Research Centre for use on potable water. The valve head, normally held against its seat by system pressure, is set to open at a vacuum pressure of 50mbar. A dust cap prevents the direct entry of foreign matter.

The strengthened body complete with taper thread ensures a tight seal between the vessel and valve whilst maintaining the integrity of the seat seal.

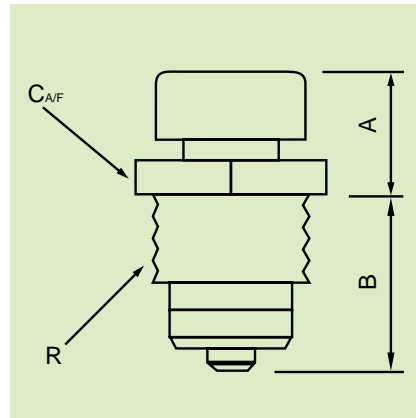
SIZING

The capacity of an anti-vacuum valve should be equal to or greater than the rate of vacuum formation in the vessel being protected.

To assist selection, reference should be made to BS 853 cl 10.3 or to the capacities of the Fig 568 tabulated below:

AIR						
std.litres/sec						
VACUUM PRESSURE mbar	DN15	DN20	DN25	DN32	DN40	DN50
250	2	5	10	21	32	52
500	3	9	17	32	53	71

DIMENSIONS



SIZE DN	R BSPT	A mm	B mm	C mm
15	1/2	23	35	24
20	3/4	25	36	30
25	1	27	39	36
32	1 1/4	33	43	46
40	1 1/2	39	53	52
50	2	37	57	65

Fig 568SS



BODY MATERIAL	: STAINLESS STEEL
MAXIMUM PRESSURE	: 13.5 bar
MAXIMUM TEMPERATURE	: 195 deg.C

INSTALLATION

Fig 568 Anti-Vacuum Valves are used to protect drying cylinders, storage cylinders, calorifiers and tankers from collapse due to internal vacuum. They are also used on steam systems, to assist condensate drainage and to prevent suction of contents from vats.

Vacuum Valves are normally fitted vertically, at the top of the vessel or pipeline being protected, horizontal revolving cylinders however should have a Fig 568 fitted at each end, diametrically opposite one another.

The operation of valves in service should be checked every twelve months.