

STAINLESS STEEL ARES WITH MANUAL DRIVE

FEATURES

The stainless steel ARES with manual drive is intended for the automatic shut-off of networks of fluids. The full-bore, inclined-seat body and the excellent flow-rate coefficients allow for very low pressure drops. The fine threading of the stem allows the use of the valve for flow regulating. Stainless steel body and internals allow the use of the ARES valve on many fluids (air, water, alcohol, oils, fuels, saline solutions, steam, etc.) for pressures up to 25 bar and temperatures from -10°C to +180°C.

AVAILABLE MODELS

DN 10 to DN 50.

Connection : threaded G.

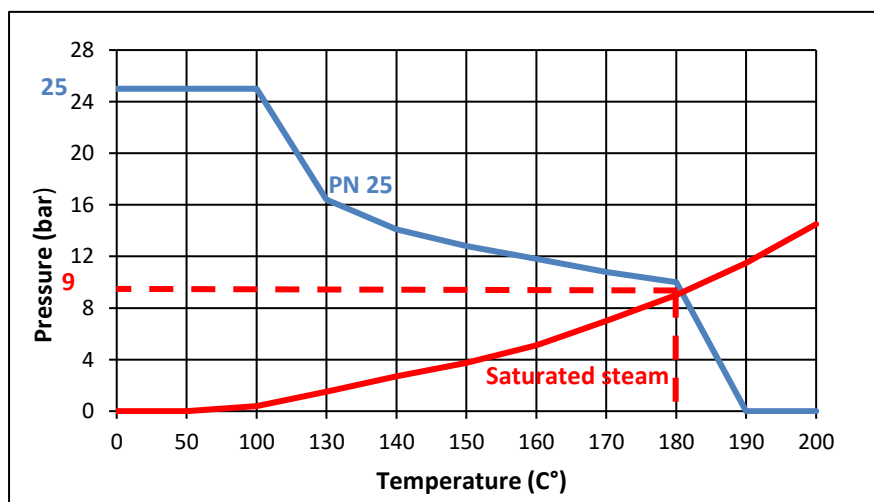


LIMITS OF USE

Fluid WP :	25 bar
Fluid WT° :	-10° / +180°C
Maximum viscosity of fluid	600 cst
Ambiant WT° :	-10° / +60°C
Operation on saturated steam	9 bar / 180° C



Option



DIRECTIVES AND MANUFACTURING STANDARDS

OBJET	Standard	ON	OBJET	Standard
Pressure equipment directive 2014/68	DN 10 to DN 25 : A4 § 3 non-submitted DN 15 to DN 50 : Category II	1115	F to F dimensions - threaded	DIN 3202-4 M4
Stainless steel grade	EN 1503-1		ATEX Directive	II2GDc TXX
Threads	ISO 228			

Information given as an indication only, and subject to possible modifications



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Pages	1/3
Ref.	FT1457 ENG
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FLOW-RATE COEFFICIENT Kv (m³/h)

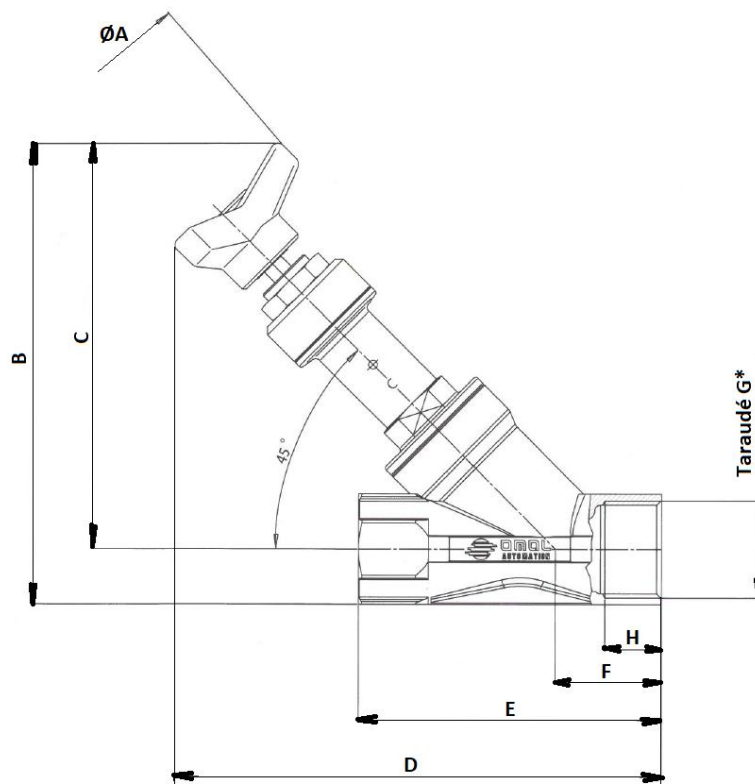
DN	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"
Kv	4,5	5,3	9,2	20	29	46	59

CONSTRUCTION

N°	Name	Materials
1	Body	Stainless steel AISI 316 (CF8M)
2	Bonnet	Stainless steel AISI 316 (CF8M)
3	Stem	AISI 316L
4	Gland packing	PTFE + Graphit
5	Disc	AISI 316L
6	Seat (gasket)	PTFE

DIMENSIONS (mm) - WIEGHT (kg)

DN	ØA	B	C	D	E	F	G*	H	Weight (kg)
10	63	138,5	126	169	85	34,5	3/8"	12	0,4
15	63	138,5	126	169	85	34,5	1/2"	15	0,4
20	63	148,5	133	176,2	95	34,7	3/4"	16,3	0,6
25	63	152	133	178,1	105	36,6	1"	19,5	0,6
32	100	191,5	168	222,5	120	40,5	1"1/4	19	0,8
40	100	197	170	225	130	41	1"1/2	18	1
50	100	213	180	239,5	150	45,5	2"	20	1,2



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		Ref.	FT1457 ENG
		Rev.	01
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INSTALLATION

The manual drive inclined-seat ARES can be installed in any position. (horizontal, vertical or angled)

- 1 - Before any installation, cut-off the piping upstream and downstream.
- 2 - Depressurise and blow-down the pipe.
- 3 - Wait until the pipe has been cooled down to ambient temperature.
- 4 - Wear the safety equipment required for this type intervention (gloves and goggles).
- 5 - Screw the valve onto the piping following the direction shown by the arrow on the body.
- 6 - Do not use the valve as a lever, and do not excessively tighten the fittings.
- 7 - Check valve operation with manual handle.

SERVICING

- 1 - The manual drive ARES does not require any special servicing.
- 2 - In case of loss sealing in-line, check the state of the disc.
- 3 - In case of leak at the packing gland, check the state of the packing gland.

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		Ref.	FT1457 ENG
		Rev.	01
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