

STAINLESS STEEL ARES PNEUMATIC ANGLE-SEAT VALVE

FEATURES

The stainless steel ARES valve 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 body and the internal parts of stainless steel allow the ARES valve to be used on many fluids for pressures up to 25 bars and temperatures up to 180°C. The pneumatic actuator is of PA, orientable with a single- or double-effect, NAMUR interface. The admissible pressure differential also depends upon the size and the type of actuator, and on the compressed air supply pressure. Refer to diagrams for each application.



AVAILABLE MODELS

DN 15 to DN 50.

Air connection : G 1/8"

1450: NC single-effect threaded version G inlet on top of the disc. → 

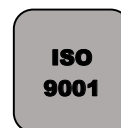
1452: NO single-effect threaded version G inlet under the disc. → 

1454: NC single-effect threaded version G inlet under the disc → 

1460: NC single-effect welded version BW inlet under the disc. → 

1470: NC single-effect flange version inlet under the disc. → 

1480: NC single-effect clamp version inlet under the disc. → 



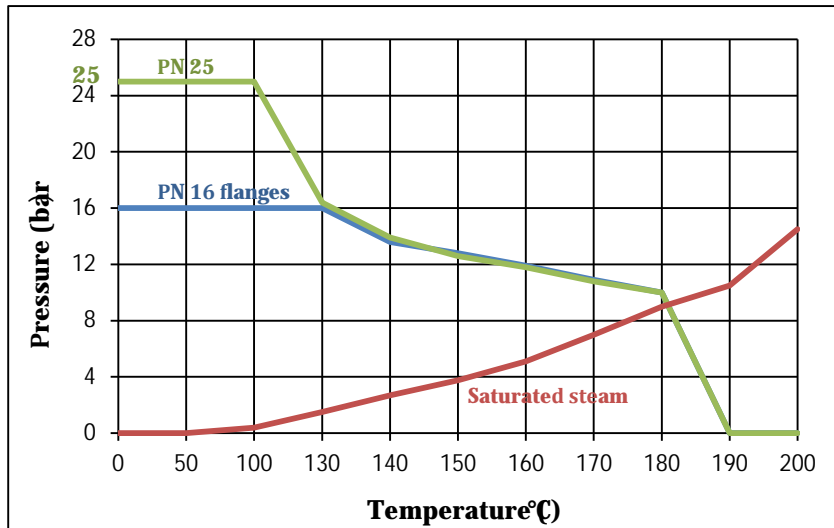
Option

LIMITS OF USE

Fluid WP:	25 bar (except for 1470 flanges PN 16)					
Fluid WT°:	-10° / +180°C					
Maximum viscosity of fluid	600 cst					
Ambient WT°:	-10° / +60°C					
Air supply pressure:	1450	1452	1454	1460	1470	1480
	See Table page 5					
	8 bar max					
Operation on saturated steam	9 bar / 180° C					

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

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DIRECTIVES AND MANUFACTURING STANDARDS

OBJECT	Standard	ON	OBJECT	Standard
Pressure Equipment Directive 97/23/EC	DN 10 to DN 25: A3 § 3 non-submerged	1115	F to F dimensions - threaded	DIN 3202-4 M4
	DN 15 to DN 50: Category II		F to F dimensions - angles	DIN 3202-F1
Stainless steel grade	EN 1503-1		BW connection	ISO 4200:
ATEX Directive	II2GDc TXX		Flange connections:	EN 1092-1
Threads	ISO 228		Clamp connection	3A clamp

DIMENSIONS (mm) AND CONNECTIONS (150-1452-1454)

DN	ø Head (1450)	ø Head (1452)	ø Head (1454)	A	B	C	D	øE	F	H	Ch. L
G 1/2"	50	50	50	190	156.5	169	44	70	85	15	25
G 3/4"	50	50	50	195	160.5	176	44	70	95	16.3	31
	-	-	63	213	178.5	194.4	50.5	84.4	95	16.3	31
G 1"	63	63	63	219	183	202	50.5	84.4	105	19.5	38
	-	-	90	259	223	242	66.2	116.4	105	19	38
G 1 1/4"	-	63	-	226	185.5	209	50.5	84.4	120	19	47
	90	-	90	266	225.5	249	66.2	116.4	120	18	47
G 1 1/2"	90	90	90	271	231	258	66.2	116.4	130	20	54
	110	-	110	307	266	294	77.4	140.6	130	20	54
G 2"	90	-	-	285	241	274	66.2	116.4	150	-	66
	110	110	110	321	276	310	77.4	140.6	150	-	66

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