Data sheet

Customer item no.:
Order dated:
Order no.:
Quantity: 1

Number:
Item no.:
Date:

DANAÏS 150 DN150 T4 PN16 16e6FB - DYNACTAIR 25

Version no.: 1

Working Condition

Fluid	Liquid, without further specification	Working Temperature min	20.0 °C
		Working Temperature max	20.0 °C
Working pressure (max. existing system pressure)	15.60 bar		

Valve design

Type series	Danaïs 150	Head flange type	F07 acc. to ISO 5211
Nominal diameter	DN 150	Shaft end form	Flat head (H) acc. to ISO 5211
Working pressure (max. allowed system pressure)	15.6 bar	Shaft end dimensions	17.0 mm
Maximum differential pressure	15.6 bar	Special design	Standard
Body type	Full-lug type with raised face (T4)	PED application, T min is -10°C	
Face to face length	57.0 mm		

Compatible connection

Standard	EN1092-1	Threading	M metric ISO Thread
Connection	PN 16	Flanges faces finishing is 'stock finish' not 'smooth finish'.	

Materials

Body (100)	Carbon steel GP240GH+N (1)	Seat (144.1)	FB - Reinforced PTFE (FB)
Shaft (210)	Stainless steel 1.4542 (6e)	Sealing packing (01-48)	Polytetrafluoroethylene (PTFE)
Disc (550)	Stainless steel 1.4408 (6)	Material standard	International (ISO, EN)

Explosion protection

Ex protection	Yes	Device category	II2GD (for zones 1 and 21)
Norm	Explosion protection to ATEX		

Coating

Surface preparatory	Blasting, surface treatment quality SA 2 1/2	Color	Grey
		KSB coating code	Amri P17
Final coating	Vinyl Butyral		
Total film thickness approx.	35 µm		

Certifications

		Range	Assembled valve
Tightness test		Certificate	Inspection cert. 3.1 to EN 10204
Test standard	ISO 5208		
Certificate	Inspection cert. 3.1 to EN 10204	Quantity, non-witnessed	1
Quantity, non-witnessed	1	**Material certificates: Body (100)**	
		Certificate	Inspection cert. 3.1 to EN 10204
Hydrostatic test (room temp.)			
Test standard	ISO 5208		

Order documentation

The following documents will be supplied with the order:		ATEX documentation	
Technical data sheet		Material certificates	
Inspection reports/ certificates		Languages	Dutch, English

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DYNACTAIR 25

Version no.: 1

Actuator design

Type series	DYNACTAIR	Housing material	Light alloy
Actuator size	25	Bolting	Stainless Steel A4-70
Special design	Standard	Supply pressure connection	Direct 1/4 Gas NAMUR
Head flange type	F07 acc. to ISO 5211	Minimum nominal supply pressure	5.00 bar.g
Shaft end dimensions	17.0 mm		
Shaft end form	Flat head (H) acc. to ISO 5211	Power failure valve position	Normally closed
		Energy accumulator	4 (4 cartridges)
Valve function	On / Off	Air or any neutral gas, filtered, dry or lubricated. filtration : 50µm drying: dew point max.working pressure <= 4°C and min.temperature -5°C The lubrification increases the actuator life and is particularly recommended in throttling applications.	
Position indication	By visual pointer		
Adjustable end stop	Closing		
Way of mounting/operation	Perpendicular to pipe, position 1 (N1)		

Interface A: Pneumatic connection for direct supply or through distributor.
Interface B: Pneumatic connection for AMTRONIC or SMARTRONIC
The choice of the actuators is determined for the maximum medium speed indicated in the valve. If the speed of the medium is larger it is mandatory to check this choice with your KSB Technical Assistance. The Technical Assistance will define a new size of actuator or will confirm that the choice is right.

Explosion protection

Ex protection	Yes	Device category	II2GD (for zones 1 and 21)
Norm	Explosion protection to ATEX		

Actuator coating

Surface preparatory	Blasting, surface treatment quality SA 2 1/2	Color	Grey / black
		KSB coating code	Amri P51
Primer	Anodization/Cataphoresis		
Total film thickness approx.	30 µm		