Dimension range	PN	Temperature range	Material
DN 15-250	40	-10 °C to 400 °C	Steel

## **Range of application**

As a shut-off valve for non-aggressive fluids, gases and steam.

### **Quality assurance**

Pressurized parts are manufactured in a foundry, which is generally approved by all recognized classification authorities.

Certificate SS-EN10204, type 2.2 and 3.1, as well as by most classification authorities (type of certificate is to be stated upon ordering). Testing carried out in accordance with DIN EN 12266.

#### **CE-marking**

The valves meet the requirements in AFS 2016:1 and 2014/68/EU (Pressure Equipment Directive).





# **Material specification**

Pos	Component	Material
1	Body	Steel 1.0619
2	Bonnet	Steel 1.0619
3	Seat	Stainless steel 1.4021
4	Cone	Stainless steel 1.4021
5	Bellow	Stainless steel 1.4301

### **Dimensions and weight**

DN	15	20	25	32	40	50	65	80	100	125	150	200
Α	130	150	160	180	200	230	290	310	350	400	480	600
В	208	208	217	215	235	235	252	270	347	380	420	570
С	120	140	140	140	160	160	180	200	250	250	360	450
Wei												
ght	4,4	4,9	5,8	7,4	9,4	12,2	17,3	23,4	40,4	58	83,8	133
Din	nension	ı in mm	, weigh	it in kg								



## **Function and design**

With bellows that prevents the media from coming in contact with the stuffing box. This eliminates the risk of leakage from the stuffing box.

- Maintenance-free
- External stem thread
- Position indicator, open/closed
- Non-rising handwheel

## **Technical information**

# Pressure and temperature

According to DIN EN 1092-1, with the following maximum values:



Working pressure max. bar	Working temperature. max. °C
35	200
28	300
21	400

### **Pressure Drop**

To calculate the pressure drop the following values are used:

	1 5		25	32	40	50	65	80	100	125	150	200	250
Kv	4,	7,	11,	18,	29,	44,	73,	112,	173,	290,	412,	702,	1020, 0
s	7	4	2	3	3	2	2	2	0	0	0	0	0

## **Difference** Pressure

For differential pressure greater than stated below, a bypass should be used in order to facilitate maneuvering and obtain a good seat tightness.

DN	125	150
∆p bar	24	17

### Accessories and options

Larger dimensinos are available on request

### Installation

Connections

Flanges acc. to		
DIN EN 1092-1		

Can be mounted in any position except with handwheel pointing downwards. Vibrating pipe systems should be avoided.

The system has to be flushed clean before startup.

### Marking

Manufacturer, DN, PN, CE, material and flow arrow.

## How to order

Example: AT 1050D50		
AT 1050D	50	
Fig. nr.	DN	-
RSK-number, see the RSK-register.	· · · · ·	_

Pätten till ändringar utan föregående meddelande förbehålls. Amratec ansvaar inte för eventuella tryckfel eller missförstånd. Dokumenten får kopieras endast i sin helhet.