

SUPPLY VALVES  
METAL, ADJUSTABLE

**anjos**

inspirer le bien-être

# BIR

Ø 100 to 200 mm

Metal  
Adjustable flow  
For mounting in ceilings



# BIR

- Push-fit directly into ducts or may be combined with collars or plasterboard sleeves
- Made of white epoxy-coated steel
- Supply cone, inner core with flow adjustment knob, and lip gasket to seal the valves and secure them in place
- Directional air supply
- Duty range of 40 to 150 Pa

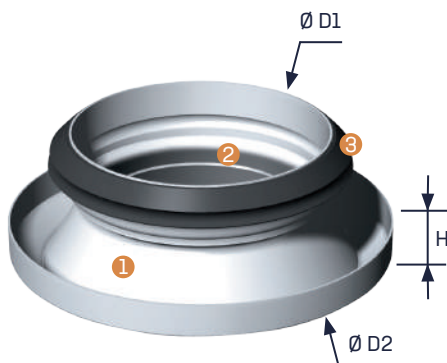
## Presentation

BIR adjustable metal valves supply air into dwellings and commercial spaces via ceilings. They have a duty range of 40 to 150 Pa.



BIR valves make it possible to diffuse air in only one direction. As a result, these valves may be fitted near the corners of walls without any risk of the air stream running along them.

## Components



- 1 Supply cone
- 2 Movable inner core for adjusting and guiding the flow of supply air
- 3 Lip gasket for sealing the valve and retaining it in place. Withstands continuous temperatures of 0-80°C.

	Ø D1 (mm)	Ø D2 (mm)	H (mm)
BIR100	90	140	14
BIR125	116	166	13
BIR160	149	210	15
BIR200	190	250	15

## Installation

The lip gasket makes it possible to fit the valves directly onto flexible or rigid ducts or 3-pronged plasterboard sleeves without the need for a collar.

On request, the valves may be fitted with a special gasket for installation on collars.

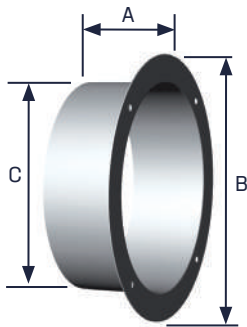
Plasterboard sleeve:



Galvanised steel sleeve with three prongs two lengths: 105 mm and 150 mm.

	Code	A (mm)	B (mm)	C (mm)
Ø100	1157	105	120	98
Ø100	1158	150	115	100
Ø125	1162	105	143	123
Ø125	1163	150	144	123
Ø160	1170	105	178	158
Ø160	1168	150	181	158
Ø200	1172	105	218	198
Ø200	1173	150	222	198

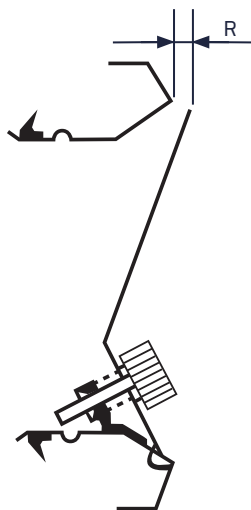
Collar:



Galvanised steel collar, for bonding inside ducts.

	Code	A (mm)	B (mm)	C (mm)
Ø100	1159	47	122	98
Ø125	1164	47	155	123
Ø160	1169	51	185	158
Ø200	1174	52	225	198

## Adjustment



The flow of supply air is adjusted via the knob, which moves the inner core in and out. This adjustment may be made without having to remove the valves from the walls.

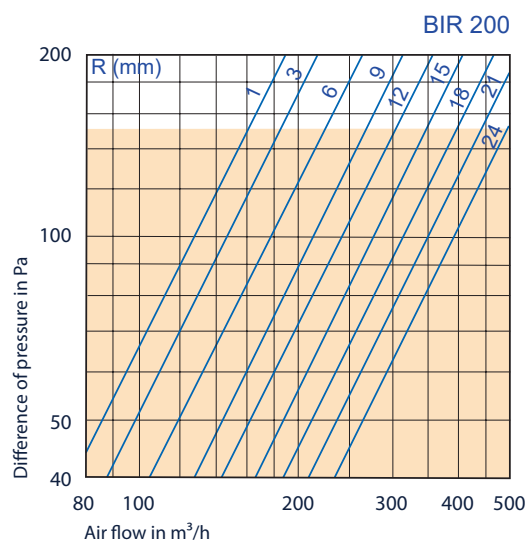
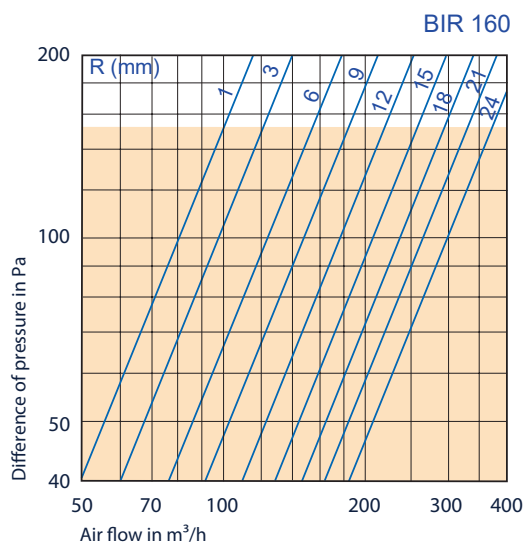
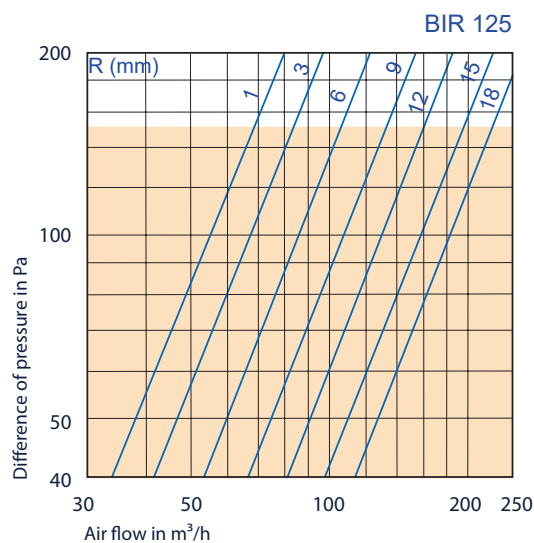
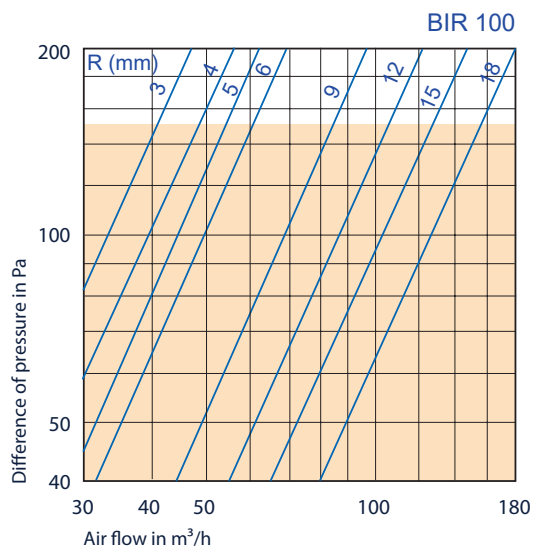
The pressure-flow curves of the valves as a function of the adjustment R are given in the charts on the following page.

## Characteristics

### Pressure-flow

The charts below show the pressure-flow curves for **BIR** valves.

The digits at the top indicate the adjustment dimension **R** in mm (see 'Adjustment' on the previous page).



### Product codes

Description	Code
Supply valve BIR 100	<b>1156</b>
Supply valve BIR 125	<b>1161</b>
Supply valve BIR 160	<b>1166</b>
Supply valve BIR 200	<b>1171</b>
Metal collar - dia. 100 mm × L 47 mm	<b>1159</b>
Metal collar - dia. 125 mm × L 47 mm	<b>1164</b>
Metal collar - dia. 160 mm × L 51 mm	<b>1169</b>
Metal collar - dia. 200 mm × L 52 mm	<b>1174</b>

Description	Code
Plasterboard sleeve - dia. 100 mm × L 100 mm	<b>1157</b>
Plasterboard sleeve - dia. 125 mm × L 100 mm	<b>1162</b>
Plasterboard sleeve - dia. 160 mm × L 100 mm	<b>1170</b>
Plasterboard sleeve - dia. 200 mm × L 100 mm	<b>1172</b>
Plasterboard sleeve - dia. 100 mm × L 150 mm	<b>1158</b>
Plasterboard sleeve - dia. 125 mm × L 150 mm	<b>1163</b>
Plasterboard sleeve - dia. 160 mm × L 150 mm	<b>1168</b>
Plasterboard sleeve - dia. 200 mm × L 150 mm	<b>1173</b>