

BARIQ SAYTAR-70 | PRODUCT OVERVIEW



PRODUCT RANGE

DN50-DN125

DN150-DN200

PRESSURE CLASS PN16

ADJUSTMENT RANGE

1.5-6 bar

OPTIONAL RANGES

2-8 bar | 4-12 bar

WORKING TEMPERATURE

0 to 40 degC

COMPATIBLE MEDIA

Water | Compressed air

FLANGE CONNECTIONS

EN 1092-2

PN25 AND PN40 AVAILABLE ON REQUEST

PRODUCT DESCRIPTION

The BARIQ SAYTAR-70 is an automatic piston-operated pressure reducing valve. It reduces and stabilizes downstream pressure to a preset value in water distribution pipework. Its ductile-iron body and robust internal components make it suitable for indoor and outdoor systems. Large, smoothly finished internal passages help limit flow resistance, vibration and pressure loss.

TYPICAL APPLICATIONS

- Water distribution
- Buildings and civil plants
- Irrigation
- Cooling systems
- Fire systems*

*Subject to applicable local fire-protection requirements.

DESIGN HIGHLIGHTS

- Automatic downstream pressure control
- Ductile-iron body with epoxy coating
- Low-resistance internal flow passages
- Flanged sizes from DN50 to DN200
- Optional Rp 1/4 in gauge connections

COMPATIBLE MEDIA ● WATER

● COMPRESSED AIR

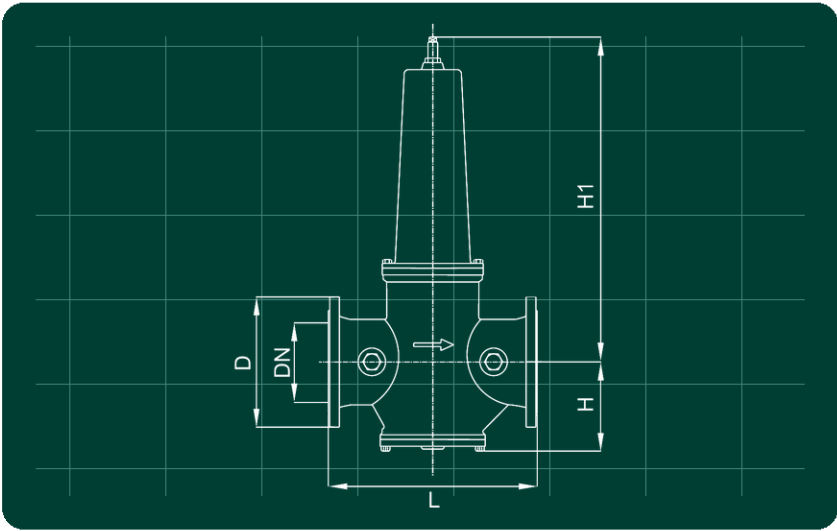
MODEL SAYTAR-70

BARIQ SAYTAR-70 | MATERIALS AND DIMENSIONS

DIMENSIONAL PROFILE

DN50-DN200

PN16



Schematic for dimensional reference - not to scale.

MATERIAL SPECIFICATION

COMPONENT	MATERIAL / SPECIFICATION
Body	Ductile iron, epoxy coated
Bonnet	Ductile iron, epoxy coated
Piston DN50-DN100	Brass
Piston DN125-DN200	Galvanized steel
Adjustment spring	Painted spring steel
Seat	Bronze
Other components	Steel and brass
Seat gasket	NBR rubber
O-rings and lip seals	NBR rubber

DIMENSIONS

All dimensions are in millimetres.

DN	D	L	H	H1 MAX
50	165	230	82	300
65	185	290	90	350
80	200	310	100	390
100	220	350	121	440
125	250	400	152	560
150	285	450	169	670
200	340	550	234	1050

D = flange outside diameter | L = face-to-face length | H = centreline to base | H1 = maximum overall height

FLANGE DRILLING EN 1092-2 / ISO 7005-2

MODEL BARIQ SAYTAR-70

BARIQ SAYTAR-70 | HYDRAULIC PERFORMANCE CURVES

DN50-DN200

PN16

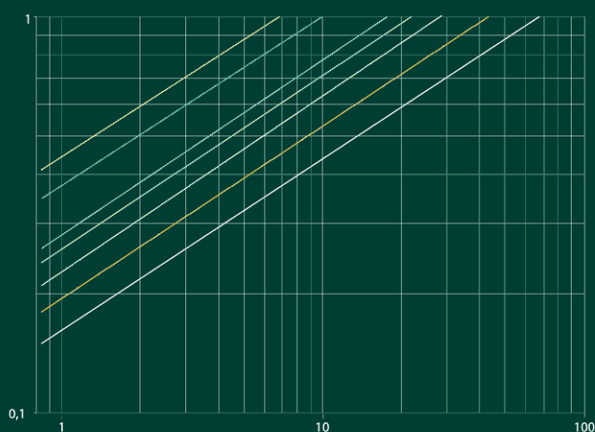
STANDARD ADJUSTMENT RANGE
1.5-6 bar

COMPATIBLE MEDIUM
Water

MODEL
BARIQ SAYTAR-70

PRESSURE LOSS CURVE

Pressure drop (bar) versus flow rate (l/s)



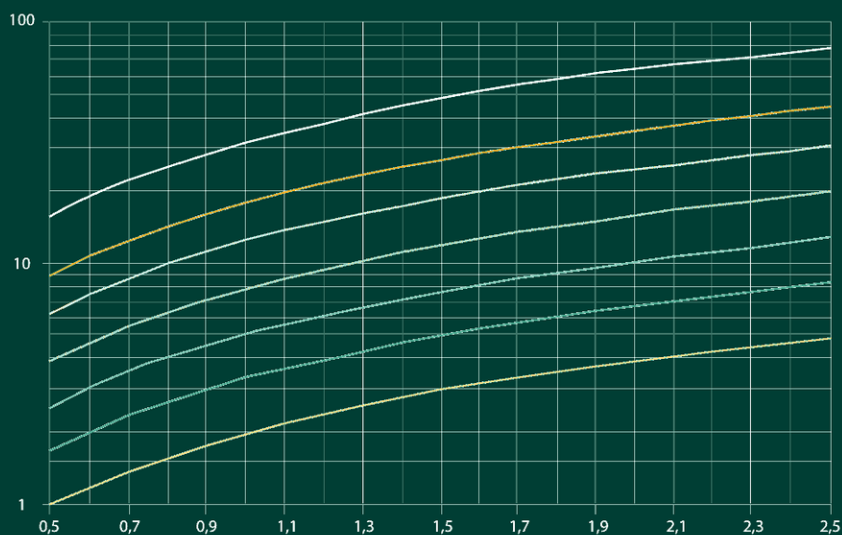
NOMINAL SIZE

- DN200
- DN150
- DN125
- DN100
- DN80
- DN65
- DN50

FLOW RATE: l/s | PRESSURE DROP: bar

FLOW CAPACITY CURVE

Flow rate (l/s) versus water velocity (m/s)



- DN200
- DN150
- DN125
- DN100
- DN80
- DN65
- DN50

CURVE RANGE DN50-DN200

BARIQ SAYTAR-70