

New from ARI: ARImetec®-DX for hydraulic balancing – optimal handling through smartphone capability\* and wireless operation based on “Bluetooth” technology!



# Systematised flow regulation:

Cost-effectiveness through digital precision!



**NEW**  
from ARI!



ASTRA®



ASTRA® „Plus“



ARImetec®-DX



Technology for the Future.  
GERMAN QUALITY VALVES



# Precise. Practical. Professional.

## High performance through the latest ARI technology:

- *Precision* through optimised regulating function (screw-down globe concept)
- *Ideal regulating properties* through equal percentage characteristic curve up to a stroke of approx. 45% (linear characteristic curve in the regulating range above stroke > 45%)
- *Exact adjustment accuracy* through documented characteristic flow curves (in accordance with IEC 534/VDMA 24423; measurement by "Delft Hydraulics")
- *Tight shut-off* through regulating plug with PTFE soft seal (also suitable for contaminated media); ASTRA®-“Plus”: metal seal
- *Reliable seal* through integrated, well established and tested double seal system (EDD / ASTRA®)
- *Two-fold safety* through metal bellows with safety packing (ASTRA®-“Plus”)
- *V-port plugs* withstanding high dynamic forces within the entire stroke (ASTRA®-“Plus” DN 250–400)

## Cost-effectiveness through simple handling:

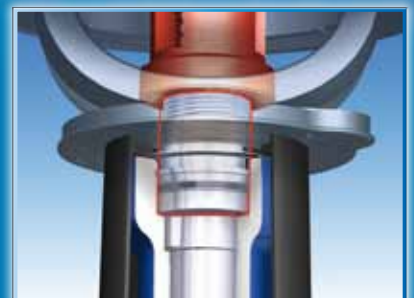
- *Fine adjustment* through user-friendly digital display design: accurate to 1/10 hand wheel rotation; zero-point adjustment can be fixed reliably; easy to read from above (position indicator at DN250–400)
- *Easy to adjust* even with insulation: extended measurement tappings can be fitted on request
- *Cost savings* through freedom from maintenance
- *Cost-effectiveness* through quality: exact assurance of your quality standards from the time you place your order, through quality assurance in accordance with DIN ISO 9001
- *Variable measuring instrument connections* (mounting of angle connections possible)
- *Ease operation* even in cramped spaces through upright handwheel
- *Fast and easy to insulate* through screw down globe valve (in accordance with german “Energy saving order – EnEV”)
- *Easily accessible measuring instrument connections* above the flange
- *Dew point suppression* integrated in the insulating cover (ASTRA®)
- *User-friendly* through standard “Open/Closed” display (ASTRA®)



Ideal regulating properties through equal percentage characteristic curve up to a stroke of approx. 45% (linear characteristic curve in the regulating range above 45% stroke)



Tight shut-off through regulating plug with PTFE soft seal (also suitable for contaminated media)



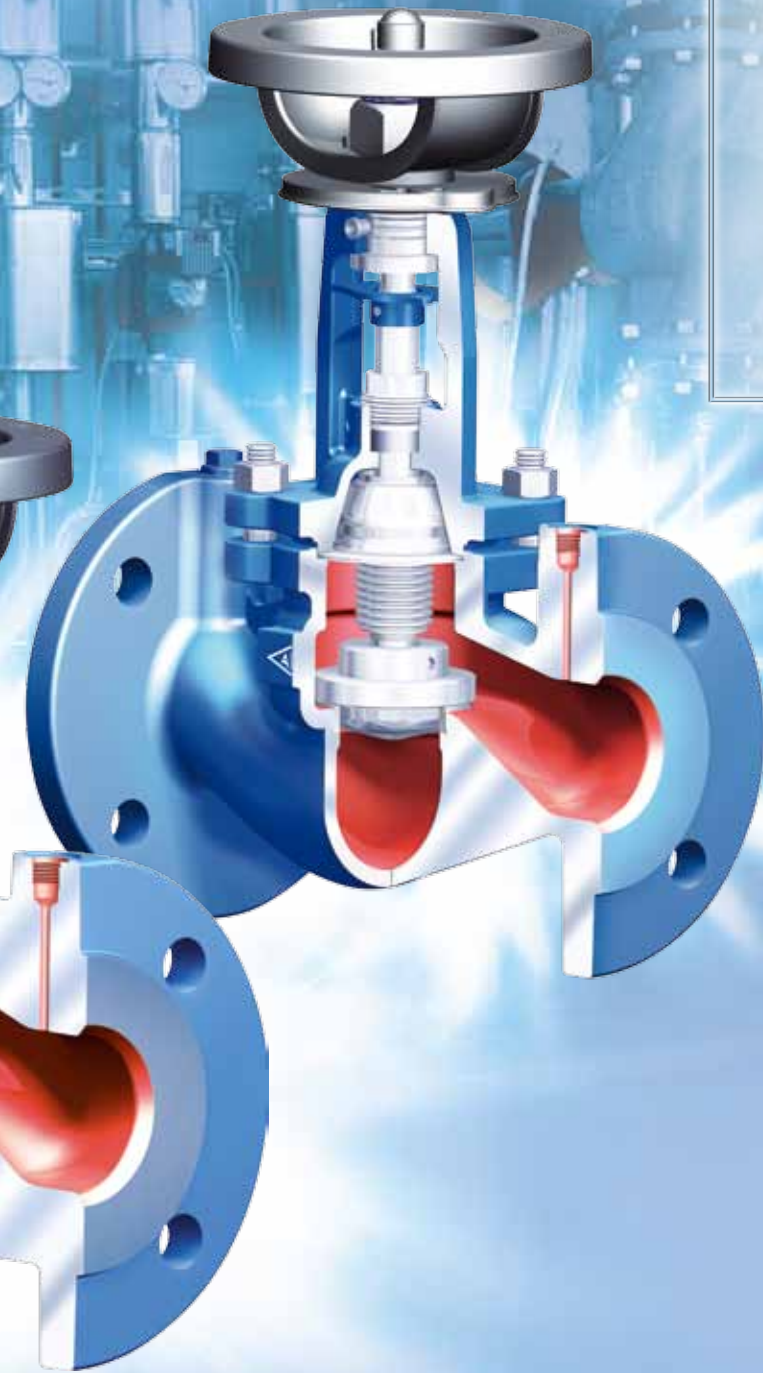
Permanent ease of movement through stainless steel threaded bush

**NEW**  
from ARI!

## ARImetec®-DX

For hydraulic balancing as well as flow rate, differential pressure and temperature measurements. Optimal handling through smartphone capability\* and wireless operation based on "Bluetooth" technology!

- Smartphone capability (\* compatible apps on request)
- Wireless operation based on "Bluetooth" technology
- Easy handling with touch screen and illuminated display
- User-friendly graphics
- Efficient navigation in the software



### Design

Globe valve, straight through  
Face-to-face length FTF series 1 according to DIN EN 558-1

### Materials / Pressure ratings

EN-JL1040	PN 16
EN-JS1049	PN 16 (ASTRA®-“Plus”)
EN-JS1049	PN 25 (ASTRA®-“Plus” (on request))

### Nominal diameters

DN 15–400 mm

### Applications

Flow regulation in heating and air conditioning technology

### Operating temperature ASTRA®

DN 15–200: **-10°C up to +120°C (short time +130°C)**  
(with digital display made of plastic)

DN 250–400: **-10°C up to +200°C**  
(with position indicator)

### Operating temperature ASTRA®-“Plus”:

DN 15–150: **-10°C up to +175°C**  
(with digital display made of plastic) –  
optional: position indicator up to +350°C)

DN 200–400: **-10°C up to +350°C**  
(with position indicator)



Ergonomically optimised operation through internal travel limiter



Fine adjustment through user-friendly digital display design (accurate to 1/10 handwheel rotation)



Bonnet design (ASTRA®-“Plus”) – strength-optimised and prepared for fittings (e.g. position sensors)



# Your ARI flow regulation system: Precise. Practical. Professional.

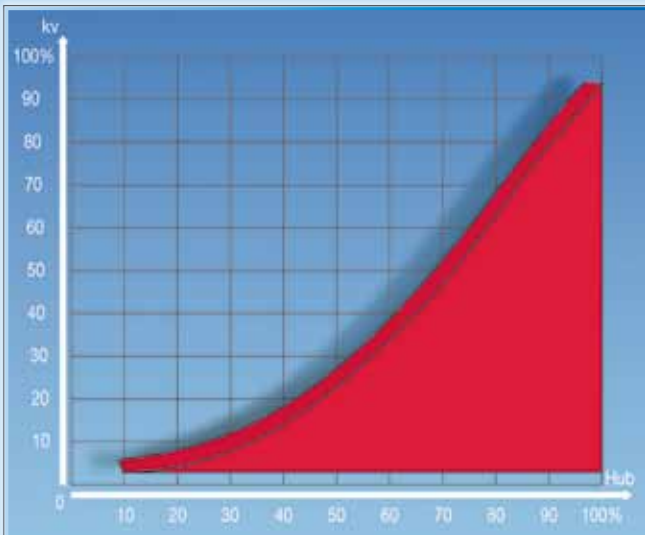


## High performance for you:

Precision  
through optimised regulating function  
(screw-down globe concept)



Reliable seal,  
even under difficult conditions, through bellows-seal.  
For maximum temperatures up to +350°C.



## High performance for you:

Ideal regulating properties  
through equal percentage characteristic curve up to a stroke  
of 45% (linear characteristic curve in the regulating range  
above stroke > 45%)

**NEW**  
from ARI!



## The new ARImotec®-DX – precision combined with easy handling!

For hydraulic balancing as well as flow rate, differential  
pressure and temperature measurements. Optimal  
handling through smartphone capability\* and wireless op-  
eration based on "Bluetooth" technology!



**Technology for the Future.**  
**GERMAN QUALITY VALVES**