

valve
cimberio®



**Cim 747 Fixed orifice
Balancing valve**

CIM 747

FIXED ORIFICE BALANCING VALVE

CIM 747 balancing valves perfectly combine a regulating valve and a flow measuring device in a one-piece body. This solution, ensures high accuracy flow balancing across all valve settings.

CIM 747 balancing valves are suitable for both heating (LPHW) and cooling applications at working pressures up to 16 bar.



The main features of **CIM 747** balancing valves are as follows:

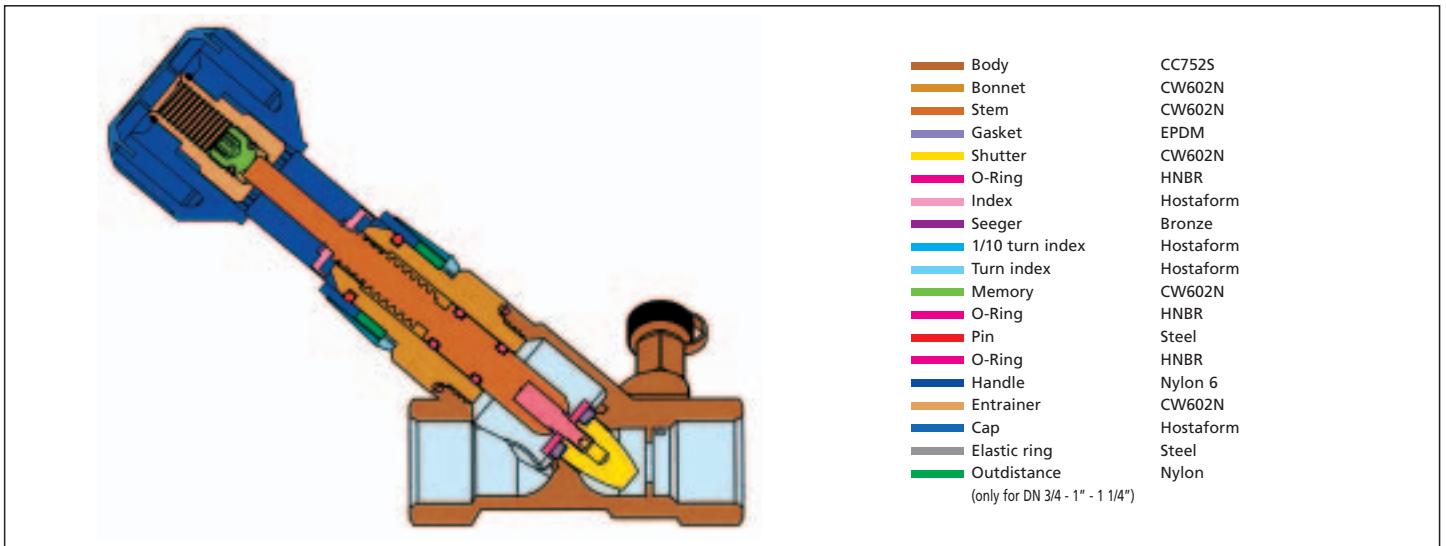
- *an orifice type flow measurement system permitting high accuracy flow measurement to within $\pm 5\%$ regardless of valve setting.*
- *a metal to metal thread locking mechanism so that valve settings can be accurately locked enabling the valve to be closed and re-opened to its exact pre-set position.*
- *Allen key locking of valve positions.*
- *a valve position indicator scale which can be read from any angle.*
- *an EPDM lined valve plug providing tight shut-off for isolation purposes.*



CIM 747

FIXED ORIFICE BALANCING VALVE

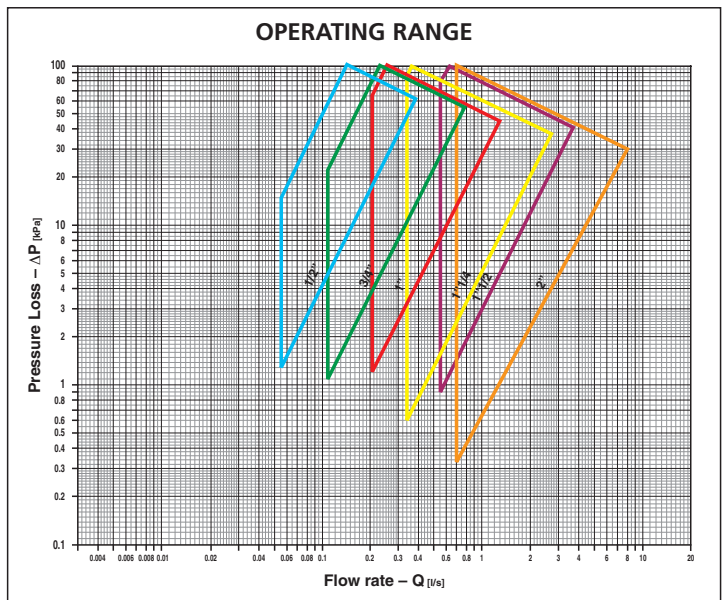
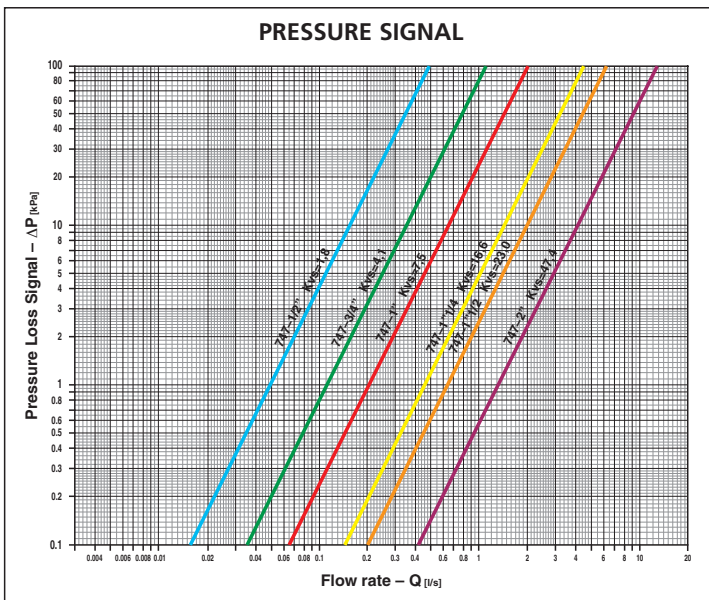
DN 1/2 - DN 2"



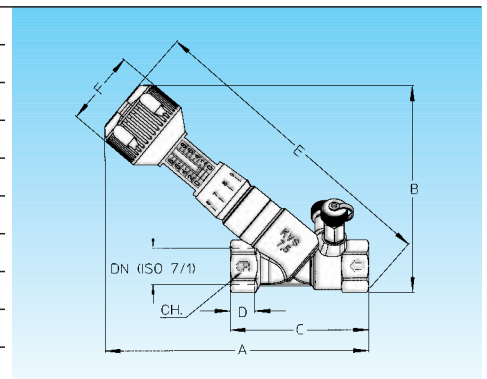
MATERIALS - MAIN FEATURES:

Body: cast non dezincification brass "CR" CC752S.
Bonnet: machined from drawn non dezincification brass "CR" EN 12164 CW602N.
Stem and metal components: machined from drawn non dezincification brass "CR" EN 12164 CW602N.
Packing: O'Ring in HNBR.

Shutter: machined from drawn non dezincification brass "CR" EN 12164 CW602N.
Adjustment handle: nylon 6.
Disc face: EPDM rubber.
Pressure/temperature ratings:
 16 bar at -10 to 100°C – 232 lbf/in² at 14 to 212°F
 6 bar at 120°C – 87 lbf/in² at 248°F
Threading: parallel threads to ISO 7/1 Rp - BS 21 Rp.

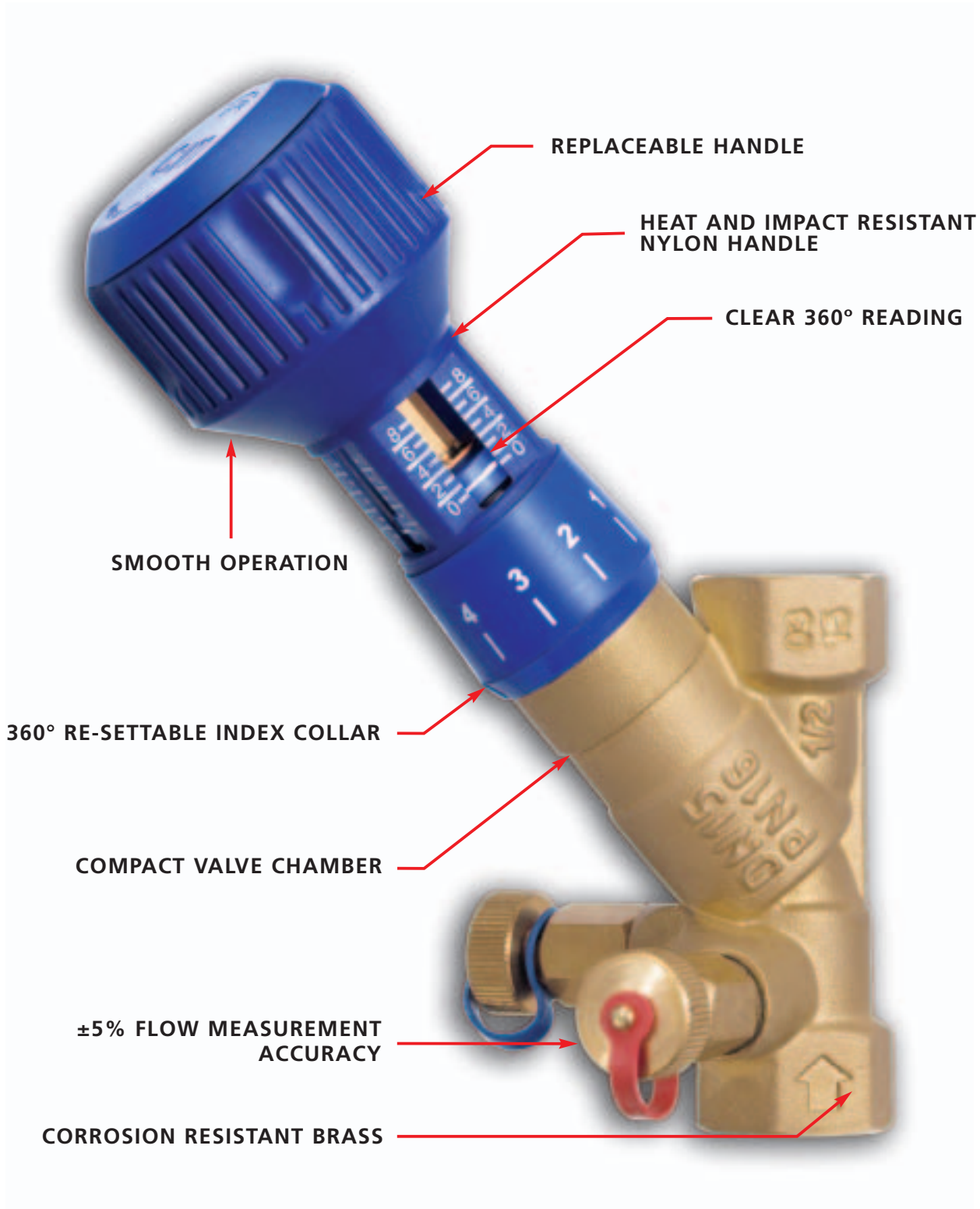


DN	1/2	3/4	1"	1 1/4"	1 1/2"	2"
Grms.	680	930	1130	1655	2465	3725
A	161	185	186	207	259,5	281
B	125	145,5	158,5	168,5	212	230
C	85	97	113	144	163	193
D	15	16,3	19,1	21,4	21,4	25,7
E	184,5	215,5	224	245,5	309	337,5
F	52	52	52	52	58	58
CH	28	33	40	51	56	71
Kvs	1,8	4,1	7,5	16,6	23,0	47,4



CIM 747

FIXED ORIFICE BALANCING VALVE



REPLACEABLE HANDLE

HEAT AND IMPACT RESISTANT
NYLON HANDLE

CLEAR 360° READING

SMOOTH OPERATION

360° RE-SETTABLE INDEX COLLAR

COMPACT VALVE CHAMBER

±5% FLOW MEASUREMENT
ACCURACY

CORROSION RESISTANT BRASS

cav. uff. **GIACOMO CIMBERIO**
s.p.a.

28017 SAN MAURIZIO D'OPAGLIO (Novara) - Italy
Via Torchio, 57
Tel. +39 0322 923001 - Fax +39 0322 967216 / 967755
www.cimberio.com - e.mail: info@cimberio.it