



	A (mm)	B (mm)	C	D (mm)
DRV15/N	84	135	1/2"	113
DRV20/N	94	151	3/4"	133
DRV25/N	104	170	1"	140
DRV32/N	109	175	1"1/4	192
DRV40/N	134	214	1"1/2	200
DRV50/N	144	224	2"	205

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| 1. Teilpiece
Anschluss
Raccordo
Raccord
Empalme | 2. Seat
Ventilsitz
Sede valvola
Siège
Sede valvula | 3. Disk holder
Dichtungsträger
Otturatore
Obturateur
Obturador |
| 4. Spring guide
Federführung
Guidamolla
Ressort guide
Guia resorte | 5. Setting knob
Drehkappe
Manopola
Bouton
Botón | |

APPLICATION RANGE

DRV/N reducers are designed to compensate the input pressure variations by varying head loss of head so as to maintain constant output pressure values. This type of reducer is mainly used for residential/community installations (DIN1988).

DIMENSIONING

The reducer should be dimensioned on the basis of the required flow rate (DIN1988 - appendix 5, or DVGW-appendix W314), and not on the basis of the nominal pipe diameter.

INSTALLATION

Horizontal installation (cap vertical) is advisable; however, the reducer can also be installed vertically (cap horizontal).

The reducer should be installed between down-circuit of the water gauge and the filter (if any), avoiding tension on the pipes. The down-circuit piping should not contain curves of elbows in a length at last 5 times the nominal diameter.

For the purpose of calibration and maintenance, a bypass tap should be fitted at the input and output of the reducer. If the installation should be fitted with safety valves, the DRV/N output pressure should be 20% lower than the safety valve verification value.

The reducer is calibrated by adjusting the calibration cap with nil flow:

- turn cap towards + (clockwise) = pressure increases
- turn cap towards - (anticlockwise) = pressure decreases

MAINTENANCE

Under normal conditions of use the reducer requires no particular maintenance. However, reducers are sensitive to impurities. It is advisable to check the insert and filter at intervals and, depending on the water quality, clean or replace these parts when necessary.

All parts subject to wear, such as the diaphragm and filter are easily replaceable, with no need to detach the body from the pipe.

TECHNICAL SPECIFICATIONS

- Input pressure : max 25 bars (type testing DVGW 16 bars)
- Output pressure : adjustable from 1,5 to 6 bars
- Max. operating temperature : 30°C
- Employment : water
- Installation : any position
- Body : sanded brass, CW617N
- Spring cap : shockproof resin
- Flow rate : see table

Type	Connector	Max flow rate l/m	Din flow rate l/m	Kv coefficient l/m
DRV15/N	1/2"	36	31,6	28
DRV20/N	3/4"	58	56,6	42
DRV25/N	1"	98	88,2	100
DRV32/N	1 1/4"	150	144	165
DRV40/N	1 1/2"	270	226	230
DRV50/N	2"	370	352	300