

# M346

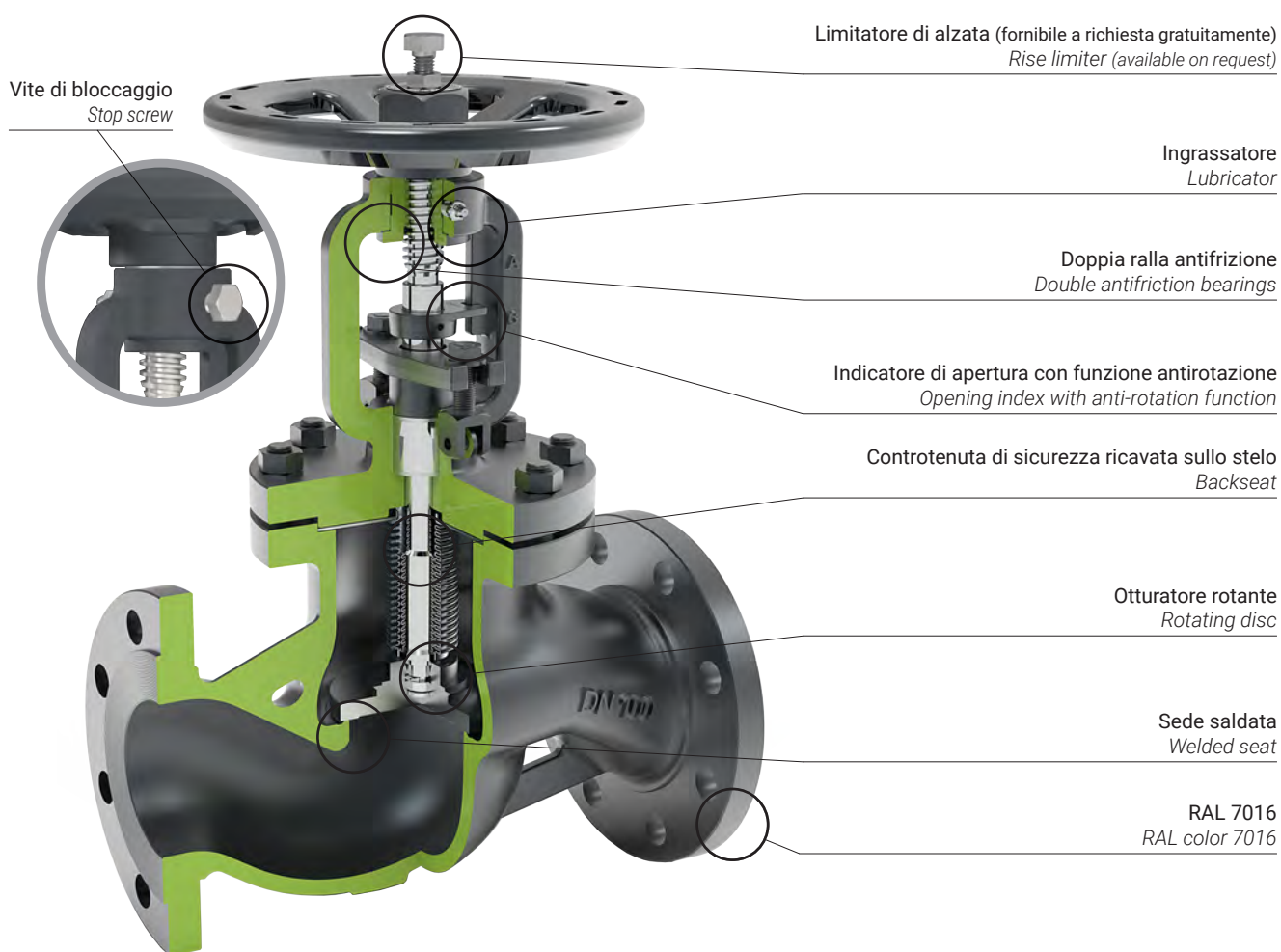
## Valvola a flusso avviato con soffietto esente manutenzione a vite esterna

Streamlined flow valve with bellows  
maintenance free inside screw

PN 40

ACCIAIO AL CARBONIO | CARBON STEEL

### Caratteristiche | Features



### Applicazioni

Valvole per acqua calda e/o surriscaldata, vapore, aria, fluidi diatermici, ecc.

Trovano impiego negli impianti di trasmissione calore, centrali termiche, caldaie e serbatoi, impianti di teleriscaldamento, applicazioni con olio diatermico, ecc.

### Applications

Valves for hot water and/or overheated water, steam, air, diathermic fluids, etc.

They are suitable for heat transfer systems, thermal power stations, industrial boilers and tanks, district heating plants, diathermic oil installations, etc.



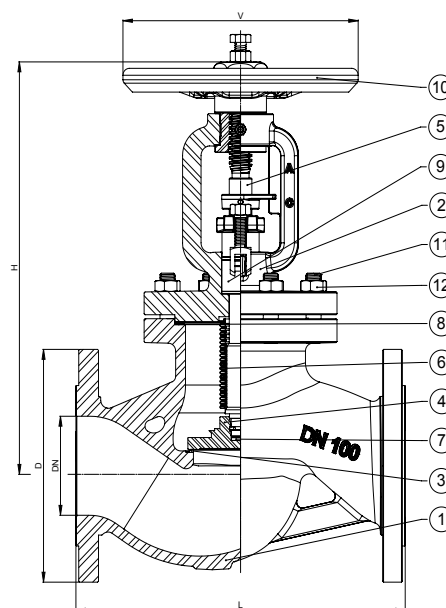
# Valvola a flusso avviato con soffietto esente manutenzione a vite esterna

## Streamlined flow valve with bellows maintenance free outside screw

# M346

## Materiali | Materials

| POS | COMPONENTE         | COMPONENTS        | MATERIAL               |
|-----|--------------------|-------------------|------------------------|
| 1   | CORPO 15-50        | BODY 15-50        | P250 GH (FORGED)       |
|     | CORPO 65-250       | BODY 65-250       | GP 240 GH+N (CASTED)   |
| 2   | CAVALLETTO 15-80   | YOKE 15-80        | P250 GH (FORGED)       |
|     | CAVALLETTO 100-250 | YOKE 100-250      | GP 240 GH+N (CASTED)   |
| 3   | SEDE               | SEAT              | STAINLESS STEEL 1.4370 |
| 4   | OTTURATORE         | DISC              | STAINLESS STEEL 1.4021 |
| 5   | STELO              | STEM              | STAINLESS STEEL 1.4021 |
| 6   | SOFFIETTO          | BELLOWS           | STAINLESS STEEL 1.4541 |
| 7   | DISCO ANTIFRIZIONE | ANTIFRICTION DISC | STAINLESS STEEL 1.4021 |
| 8   | GUARNIZIONI        | GASKETS           | GRAPHITE + ST. STEEL   |
| 9   | BADERNA            | PACKING           | GRAPHITE               |
| 10  | VOLANTINO          | HANDWHEEL         | PRESSED STEEL          |
| 11  | PRIGIONIERI        | STUDS             | CARBON STEEL           |
| 12  | DADI               | NUTS              | CARBON STEEL           |



## Dimensioni | Dimensions

| DN  | D<br>mm | L<br>mm | H<br>mm | V<br>mm | Kg    | Kv<br>m³/h |
|-----|---------|---------|---------|---------|-------|------------|
| 15  | 95      | 130     | 235     | 125     | 4,9   | 4.8        |
| 20  | 105     | 150     | 235     | 125     | 5.7   | 7.6        |
| 25  | 115     | 160     | 245     | 125     | 7.2   | 12.2       |
| 32  | 140     | 180     | 245     | 125     | 9.0   | 17.5       |
| 40  | 150     | 200     | 275     | 150     | 11.9  | 27.8       |
| 50  | 165     | 230     | 275     | 150     | 15.5  | 44.3       |
| 65  | 185     | 290     | 375     | 250     | 26.5  | 81         |
| 80  | 200     | 310     | 375     | 250     | 31    | 115        |
| 100 | 235     | 350     | 410     | 250     | 46    | 184        |
| 125 | 270     | 400     | 460     | 300     | 66    | 272        |
| 150 | 300     | 480     | 520     | 350     | 98.5  | 383        |
| 200 | 375     | 600     | 635     | 400     | 182   | 691        |
| 250 | 450     | 730     | 785     | 500     | 296.5 | 1086       |

## Condizioni di esercizio | Working conditions

|                                |         |      |      |      |      |      |      |
|--------------------------------|---------|------|------|------|------|------|------|
| PRESSIONE   PRESSURE [bar]     | 40      | 35.2 | 33.3 | 30.5 | 27.6 | 25.7 | 23.8 |
| TEMPERATURA   TEMPERATURE [°C] | -10/+50 | +150 | +200 | +250 | +300 | +350 | +400 |

Kv alla percentuale di alzata M346/R  
Kv at stroke rate M346/R

| DN   | 15   | 20   | 25   | 32   | 40   | 50   | 65   | 80   | 100   | 125   | 150   | 200   | 250   |
|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|
| 20%  | 0.34 | 0.87 | 1.35 | 2.29 | 3.87 | 8.57 | 9.27 | 16.7 | 21.9  | 37.3  | 53.1  | 74.9  | 328.6 |
| 40%  | 1.03 | 1.84 | 2.92 | 4.71 | 7.53 | 14.8 | 18.7 | 32.1 | 42    | 63.3  | 113.4 | 148.7 | 576.2 |
| 60%  | 2.26 | 3.66 | 5.17 | 8.63 | 14   | 23.1 | 35.6 | 57.4 | 77.6  | 107.1 | 197.6 | 268.3 | 722.8 |
| 80%  | 3.4  | 5.69 | 7.95 | 13   | 20.6 | 32   | 56   | 83.6 | 121.7 | 160.2 | 262.1 | 392.1 | 807   |
| 100% | 4.36 | 7.04 | 9.59 | 16   | 25.5 | 38   | 66.7 | 95.4 | 143.5 | 189.3 | 297.4 | 463.8 | 925.6 |

## Limiti di utilizzo | Limits of use

È necessario l'uso dell'otturatore equilibrato quando la pressione di esercizio supera i seguenti valori:  
It is necessary to use the balanced disc when the working pressure is over the following values:

|                            |     |     |     |     |
|----------------------------|-----|-----|-----|-----|
| DN                         | 125 | 150 | 200 | 250 |
| PRESSIONE   PRESSURE [bar] | 30  | 21  | 14  | 9   |

NOTA: Utilizzando una valvola con otturatore equilibrato è indispensabile installarla al contrario, cioè con la pressione sopra l'otturatore  
NOTE: When using a valve with balanced disc, it is essential to install it in reverse way, that is with the pressure on the disc

## Varianti | Variations

