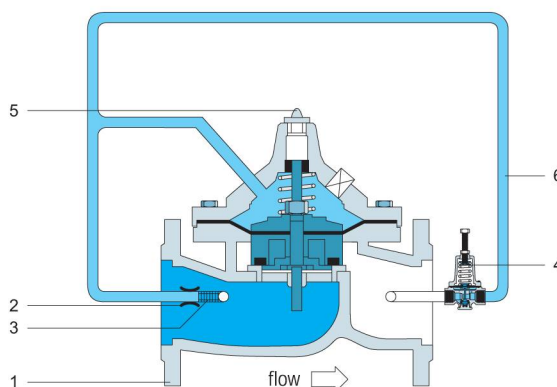


## WATTS PR500 PRESSURE REDUCING VALVE

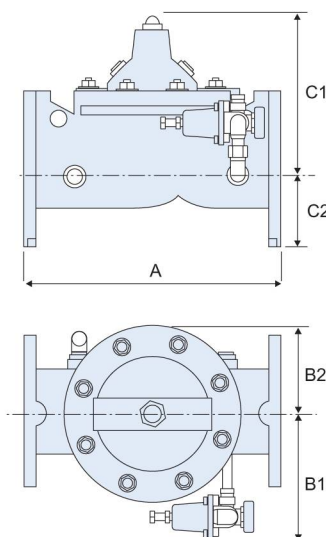


The pilot operated reducing valve PR500 reduces a higher upstream pressure to a constant lower downstream pressure. This very accurate valve is designed to operate with a minimum of maintenance. The only moving parts in the valve are the diaphragm and the stem assembly, which are guided by an exchangeable bearing in the cover and the valve seat. The Watts PR500 is easy to install and adjust. It is available with flanges (DN50 - DN600) and thread-end connections (1 1/4" - 3").

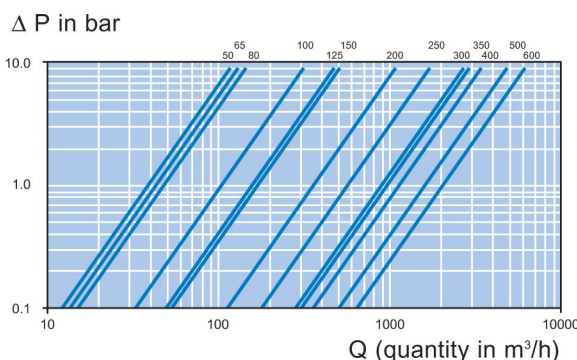


| No. | name            |
|-----|-----------------|
| 1   | Body/Main valve |
| 2   | Fixed orifice   |
| 3   | Flow strainer   |
| 4   | Pilot valve     |
| 5   | Air vent        |
| 6   | Flexible tubing |

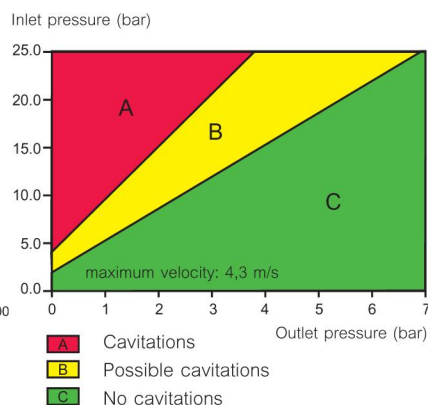
### Dimensions



### Pressure Loss Curve



### Cavitation Curve



| DN    | PN       | A   | B1  | B2  | C1  | C2  | Kg  |
|-------|----------|-----|-----|-----|-----|-----|-----|
| 50    | 10/16/25 | 230 | 160 | 85  | 165 | 85  | 20  |
| 65/60 | 10/16/25 | 290 | 170 | 85  | 165 | 95  | 25  |
| 80    | 10/16/25 | 310 | 175 | 85  | 165 | 100 | 30  |
| 100   | 10/16    | 350 | 190 | 120 | 210 | 110 | 40  |
| 100   | 25       | 350 | 190 | 120 | 210 | 120 | 40  |
| 125   | 10/16    | 400 | 200 | 150 | 285 | 125 | 70  |
| 125   | 25       | 400 | 200 | 150 | 285 | 135 | 70  |
| 150   | 10/16    | 480 | 210 | 150 | 285 | 145 | 90  |
| 150   | 25       | 480 | 210 | 150 | 285 | 150 | 90  |
| 200   | 10       | 600 | 235 | 200 | 360 | 170 | 150 |
| 200   | 16       | 600 | 235 | 200 | 360 | 170 | 150 |
| 200   | 25       | 600 | 235 | 200 | 360 | 180 | 150 |
| 250   | 10       | 730 | 280 | 255 | 475 | 200 | 400 |
| 250   | 16       | 730 | 280 | 255 | 475 | 200 | 400 |
| 250   | 25       | 730 | 280 | 255 | 475 | 215 | 410 |

| DN  | PN | A    | B1  | B2  | C1  | C2  | Kg   |
|-----|----|------|-----|-----|-----|-----|------|
| 300 | 10 | 850  | 305 | 300 | 570 | 230 | 550  |
| 300 | 16 | 850  | 305 | 300 | 570 | 230 | 550  |
| 300 | 25 | 850  | 305 | 300 | 570 | 245 | 570  |
| 350 | 10 | 980  | 330 | 300 | 570 | 255 | 560  |
| 350 | 16 | 980  | 330 | 300 | 570 | 260 | 560  |
| 350 | 25 | 980  | 330 | 300 | 570 | 280 | 580  |
| 400 | 10 | 1100 | 360 | 355 | 700 | 285 | 1100 |
| 400 | 16 | 1100 | 360 | 355 | 700 | 290 | 1100 |
| 400 | 25 | 1100 | 360 | 355 | 700 | 310 | 1150 |
| 500 | 10 | 1250 | 420 | 405 | 800 | 335 | 1250 |
| 500 | 16 | 1250 | 420 | 405 | 800 | 360 | 1250 |
| 500 | 25 | 1250 | 420 | 405 | 800 | 365 | 1300 |
| 600 | 10 | 1450 | 460 | 455 | 850 | 390 | 1550 |
| 600 | 16 | 1450 | 460 | 455 | 850 | 420 | 1550 |
| 600 | 25 | 1450 | 460 | 455 | 850 | 425 | 1600 |

Max. temperature: 70 °C

The photographs and descriptions in this brochure are purely informational and in no way binding. Watts Industries reserves the right to make any technical or exterior changes deemed necessary to their products without prior notification.