

# oneAdvanced domestic wastewater solutions

3 – 90 PE (450 – 13,500 l/day)



**IDEAL FOR INFILTRATION OF CLEANED WASTEWATER**

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Q WEBCODE G5113

## oneAdvanced domestic

| Inhabitants [max.] | Max. daily flow [l/d] | Max. organic load [kg BOD5/d] | Total volume [l] | Primary treatment [capacity in l] | SBR tank [capacity in l] | Length* [mm] | Width* [mm] | Height [mm] | Weight [kg] |
|--------------------|-----------------------|-------------------------------|------------------|-----------------------------------|--------------------------|--------------|-------------|-------------|-------------|
| 1 – 3              | 450                   | 0.18                          | 2,700            | -                                 | 2,700                    | 2080         | 1565        | 1690        | 120         |
| 4 – 5              | 750                   | 0.30                          | 3,750            | -                                 | 3,750                    | 2280         | 1755        | 1880        | 150         |
| 6 – 7              | 1,050                 | 0.42                          | 4,800            | -                                 | 4,800                    | 2280         | 1985        | 2110        | 185         |
| 8 – 9              | 1,350                 | 0.54                          | 6,500            | -                                 | 6,500                    | 2390         | 2190        | 2390        | 220         |
| 8 – 10             | 1,500                 | 0.60                          | 4,800            | -                                 | 4,800                    | 2280         | 1985        | 2110        | 185         |
| 10 – 14            | 2,100                 | 0.84                          | 6,500            | -                                 | 6,500                    | 2390         | 2190        | 2390        | 220         |
| 12 – 16            | 2,400                 | 0.96                          | 7,500            | 1 x 3,750                         | 1 x 3,750                | 2280         | 1755        | 1880        | 150         |
| 16 – 22            | 3,300                 | 1.32                          | 9,600            | 1 x 4,800                         | 1 x 4,800                | 5160         | 1985        | 2430        | 185         |
| 20 – 28            | 4,200                 | 1.68                          | 13,000           | 1 x 6,500                         | 1 x 6,500                | 5380         | 2190        | 2710        | 220         |
| 25 – 32            | 4,800                 | 1.92                          | 15,000           | 2 x 3,750                         | 2 x 3,750                | 11000        | 1800        | 2200        | 300         |
| 32 – 44            | 6,600                 | 2.64                          | 19,200           | 2 x 4,800                         | 2 x 4,800                | 11000        | 2000        | 2430        | 370         |
| 42 – 50            | 7,500                 | 3.00                          | 26,000           | 2 x 6,500                         | 2 x 6,500                | 11360        | 2200        | 2710        | 1060        |
| 51 – 60            | 9,000                 | 3.60                          | 26,000           | 2 x 6,500                         | 2 x 6,500                | 11360        | 2200        | 2710        | 1060        |
| 61 – 90            | 13,500                | 5.40                          | 32,500           | 2 x 6,500                         | 3 x 6,500                | 8370         | 5000        | 2710        | 1325        |

Scope of supply: Carat S underground tanks, tank domes, telescopic dome shafts 600, oneAdvanced system pack (>> page 46 – the GRAF modular system). Please order the air hoses separately (>> page 26).  
\*Total measurement

### Accessories

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### Additional +modules

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## Technical data



### System oneAdvanced

|                                   |   |
|-----------------------------------|---|
| System conformity                 | EN 12566-3 / ATV A-122                  |
| Purifying technology              | fully biological SBR lifting technology |
| Multitank systems available up to | 90 inhabitants   13,500 l/d             |
| Maintenance interval              | 1 – 4 per year                          |
| Warranty for underground tank     | 10 years                                |
| Warranty for purifying technology | 2 years                                 |

| Parameter                                    | 3 – 9 PE |          | 10 – 50 PE |           |
|--|----------|----------|------------|-----------|
| COD (chemical oxygen demand)                 | 94.2 %   | 43 mg/l  | 91.9 %     | 51 mg/l   |
| BOD <sub>5</sub> (biochemical oxygen demand) | 98.0 %   | 7 mg/l   | 95.9 %     | 12 mg/l   |
| SS (suspended solids)                        | 96.3 %   | 14 mg/l  | 94.4 %     | 20 mg/l   |
| NH <sub>4</sub> -N                           | 98.3 %   | 0.5 mg/l | 65.6 %     | 12 mg/l   |
| N <sub>total</sub>                           | 87.0 %   | 8 mg/l   | 62.0 %     | 21.1 mg/l |
| P <sub>total</sub> (with +P Modul)           | 95.1 %   | 0.4 mg/l | 94.4 %     | 0.4 mg/l  |
| eColi <sub>+H</sub> (with +H Modul)          | 99.9 %   | 99.9 %   | 99.9 %     | 99.9 %    |

Results of practical testing undertaken by the Prüfinstitut für Abwassertechnik (Testing Institute for Wastewater Technology), Aachen