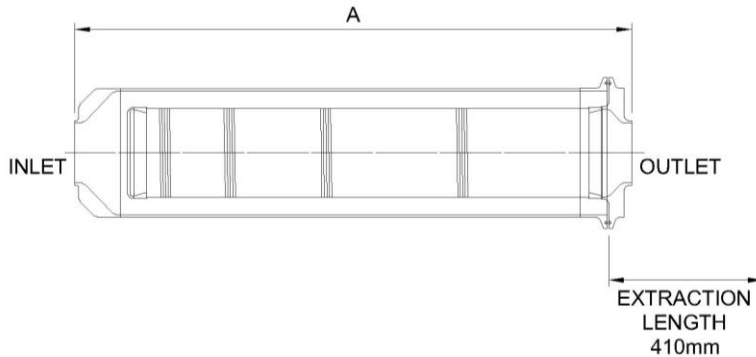


8405 - Pure Screen Filter – 100 Series – Straight Through



| WEDGE WIRE AREA | |
|--------------------------------------|------------------------------|
| Screen Length (cm) | 37.8 |
| Screen dia. (cm) | 7 |
| Total Filter Area (cm ²) | 831 |
| Micron Rating (µm) | Open area (cm ²) |
| 10 | 8 |
| 25 | 20 |
| 50 | 40 |
| 100 | 76 |
| 250 | 166 |
| 500 | 208 |
| 1,000 | 332 |
| 2,000 | 437 |
| 3,000 | 519 |
| 6,000 | 639 |

| Nominal Size | Plain Ended | Clamp | RJT (M/M) | DIN (M/M) | IDF (M/M) | SMS (M/M) |
|--------------|-------------|-------|-----------|-----------|-----------|-----------|
| Dimension | A | A | A | A | A | A |
| 1" | 471 | 513 | 515 | 529 | 513 | 501 |
| 1 1/2" | 471 | 513 | 515 | 537 | 513 | 511 |
| 2" | 471 | 513 | 515 | 541 | 513 | 511 |
| 2 1/2" | 471 | 527 | 529 | 551 | 513 | 519 |
| 3" | 471 | 527 | 529 | 551 | 513 | 519 |
| 4" | 429 | 471 | 473 | 537 | 489 | 489 |

| Technical Data | |
|--|---|
| Material | 316L Stainless Steel contact parts |
| Finish | 0.8µm Ra (external) / 0.4µm Ra (internal) Bead-blasted, mirror and electro-polished options available |
| Flow Rates: | Up to 40,000 l/hr at 1 Bar ΔP with pure water, depending on size, loading and pressure drop |
| Pressures: | Up to 10 bar operating pressure / 5 bar backflushing pressure Recommended maximum ΔP 4 bar |
| Operating Temperature: | Up to 250°C, dependent upon cap seal material |
| Cap Seal: | Viton® as standard (EPDM, silicone, nitrile, encapsulated or solid PTFE options available) |
| Standard Micron Ratings (µm): | 50, 100, 250, 500, 1000, 2000 (nominal) |
| End Connection: | Clamp / Plain ended ex-stock (RJT, IDF, DIN, SMS, BSP and Flanged options available) |
| Standard Connection Sizes: | 1 1/2", 2", 2 1/2", 3" (other sizes available on request) |
| Clamp Closure: | 316 Stainless Steel safety clamp fitted as standard to enhance plant safety. |
| Options: | Filters can be customised to meet customer requirements, including the addition of drain ports, jacketed options, multiplex systems |
| Notes: | Dimension Tolerance: ±10mm Flow rate will depend on size, loading and pressure drop |
| Available certification: | |
| Full materials certification, weld maps, logs, welder qualifications and weld procedures, pressure testing, surface finish, radiography, passivation and ferroxyl certification. | |

D8405-V04/ECN3049

CUSTOMISED STAINLESS STEEL SYSTEMS, FABRICATIONS AND COMPONENTS

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All data is provided in good faith and is subject to change