

KSF BASKET STRAINERS

GENERAL

|   |                      |                                    |              |        |
|---|----------------------|------------------------------------|--------------|--------|
| 1 | Identification (KKS) |                                    | Size of body | 1      |
| 2 | Nominal Diameter     | DN15                               | Rating       | 16 bar |
| 3 | KKS (line)           |                                    | DN           | 15,0   |
| 4 | Design codes         | ADW2000-Merkblatt / PED 2014/68/EU |              |        |
| 5 | Model identification | KSF                                |              |        |
| 6 | Fluid filtered       |                                    |              |        |
| 7 | Service              |                                    |              |        |

TYPE OF CONNECTIONS

|    |                       |      |        |  |  |
|----|-----------------------|------|--------|--|--|
| 8  |                       | DN   | Rating |  |  |
| 9  | INLET                 | 15   | PN16   |  |  |
| 10 | OUTLET                | 15   | PN16   |  |  |
| 11 | Drain                 | 3/8" | N/A    |  |  |
| 12 | Vent                  | 1/4" | N/A    |  |  |
| 13 | Differential pressure | 1/4" | N/A    |  |  |

OPERATING AND DESIGN PARAMETERS

| DESIGN CONDITIONS |                 | OPERATING CONDITIONS           |                                      |
|-------------------|-----------------|--------------------------------|--------------------------------------|
| 15                | Pressure        | 16 bar                         | Pressure bar g                       |
| 16                | Temperature     | (-10) - (+200*) °C             | Temperature °C                       |
| 17                | Flow            | 3 m³/h                         | Flow kg/h                            |
| 18                | Pressure drop   |                                | Pressure drop                        |
| 19                | ΔP clean filter | 0,05 bar (≥100µm)              | ΔP clean filter 0,05 bar (≥100µm)    |
| 20                | ΔP dirty filter | 2 bar (basket design pressure) | ΔP dirty filter bar                  |
| 21                | Noise level     | N/A - no source of noise       | Noise level N/A - no source of noise |

DESCRIPTIVE CHARACTERISTICS

|    |                       |   |
|----|-----------------------|---|
| 22 | LOCATION OF EQUIPMENT | <input type="checkbox"/> Outside <input type="checkbox"/> Inside <input type="checkbox"/> Other |
| 23 | FILTER ELEMENT        |   |
| 24 | Type                  | Basket  |
| 25 | Basket area           | 150 cm²   |
| 26 | Grade of filtration   | 20-10000µm  |
| 27 | MATERIALS             |   |
| 28 | Body                  | EN-GJS-500-7 / GGG-50 / BS 500-7 / ASTM 536 80-55-06 / JIS FCD 500-7                            |
| 29 | Cover                 | EN-GJS-500-7 / GGG-50 / BS 500-7 / ASTM 536 80-55-06 / JIS FCD 500-7                            |
| 30 | Gasket                | NBR*  |
| 31 | Vent & Drain plug     | SS316ti   |
| 32 | Studs                 | Steel, galvanized   |
| 33 | Nuts                  | Steel, galvanized   |
| 34 | Screen                | SS316   |
| 35 | Perforated plate      | SS316   |

ACCESSORIES

|    |                         |  |
|----|-------------------------|--|
| 36 | Pressure drop indicator | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| 37 | Magnetic filter insert  | <input type="checkbox"/> Yes <input type="checkbox"/> No |

TESTS AND NON DESTRUCTIVE EXAMINATIONS

|    |                               | SCOPE   |                               | APPLICABLE RULE                   |
|----|-------------------------------|---|-------------------------------|-----------------------------------|
| 39 | Hydrostatic Test              | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |                               | AD2000-Merkblatt / PED 2014/68/EU |
| 40 | Visual inspection             | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 100 %                         |                                   |
| 41 | CE- Declaration of Conformity | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Operating data is necessary ! | PED 2014/68/EU                    |
| 42 | Others                        | <input type="checkbox"/> Yes <input type="checkbox"/> No            |                               |                                   |
| 43 |                               |   |                               |                                   |
| 44 | Information                   |   |                               | Foundry certified by LR / Lloyds  |

COATING

|    |          |                           |
|----|----------|---------------------------|
| 45 | INTERNAL | Anti-corrosion primer     |
| 46 | EXTERNAL | Epoxy paint RAL 5010 blue |

DIMENSIONS AND WEIGHT

|    |        |       |            |       |
|----|--------|-------|------------|-------|
| 47 |        |       | Dimensions |       |
| 48 |        |       | A          | 156,0 |
| 49 | B      | 171,0 | mm         |       |
| 50 | C      | 220,0 | mm         |       |
| 51 | D      | 264,0 | mm         |       |
| 52 | E      | N/A   | mm         |       |
| 53 | F      | N/A   | mm         |       |
| 54 | Weight | 6,0   | kg         |       |

REMARKS

|    |   |
|----|---|
| 55 | * Standard is NBR with a range of temperature from (-10) - (+100) °C; FKM with (-10) - (+200)°C on request. |
| 56 |   |
| 57 |   |
| 58 |   |
| 59 |   |
| 60 | 01/2017 © by Krone Filter Solutions GmbH, subject to change   |