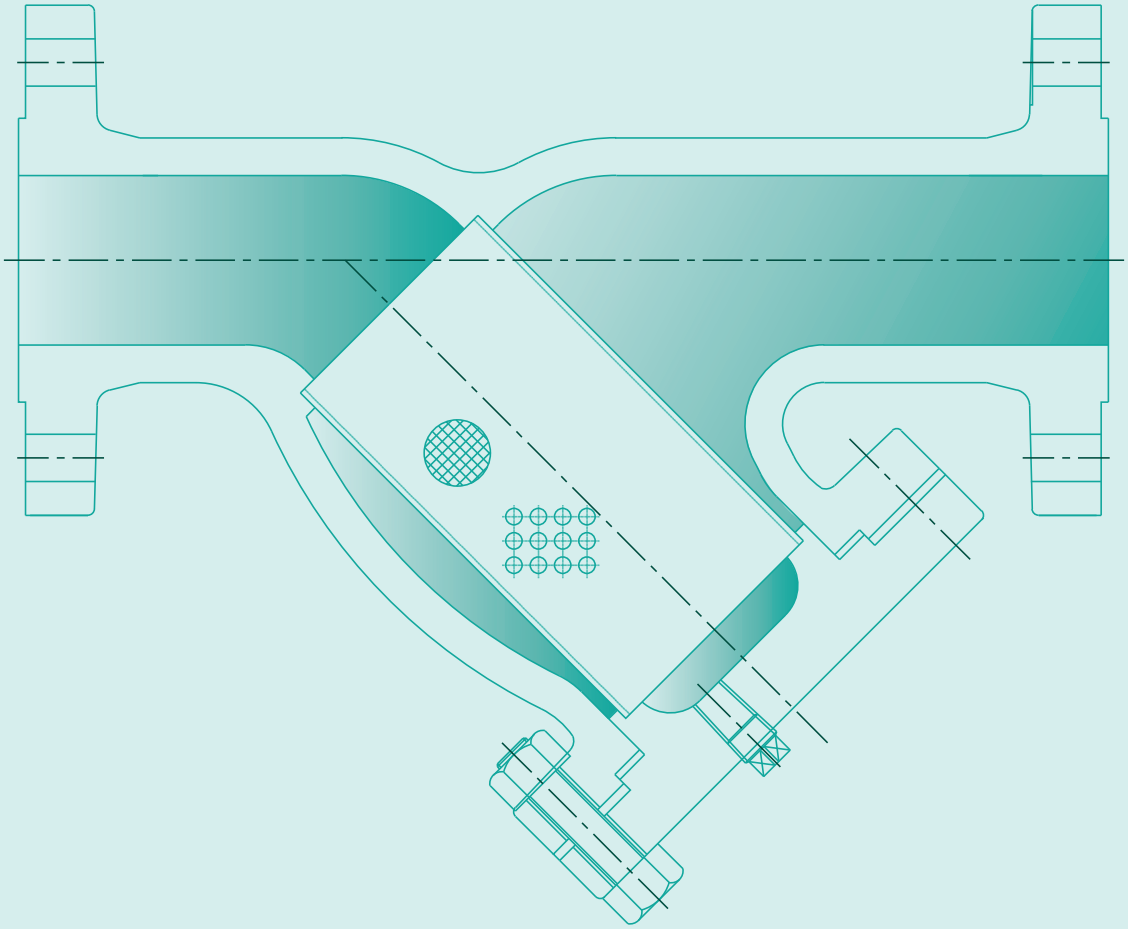
# 04

# Y-STRAINER

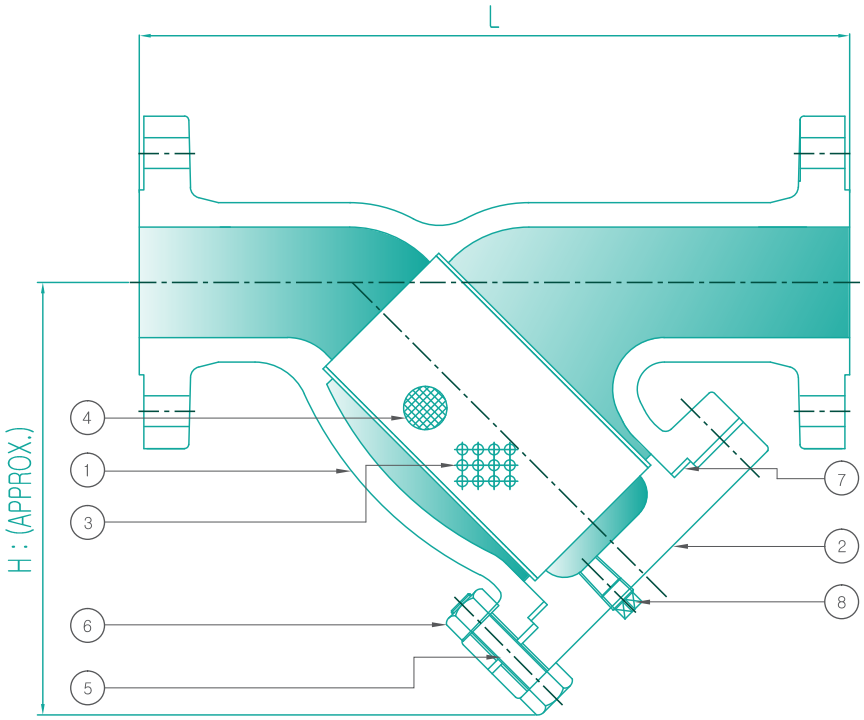
## CAST CARBON STEEL
## CAST STAINLESS STEEL



Y-STRAINER for casting take their name from their configuration. They are most commonly used in pressurized lines, gas or liquid but can also be used in suction or vacuum conditions. They are intended for applications where small amounts of solid particulate are expected, and where clean-out will be infrequent. If solids will flush easily from the screen, and fluid can be exhausted to atmosphere, a blow-down valve on the drain port will allow clean-out without removal of the screen, and without interrupting.

# 04 CAST CARBON STEEL CAST STAINLESS STEEL

## MODEL NO : HKC-YS15 / HKC-YS1, HKC-YS30 / HKC-YS2




## CAST CARBON STEEL

| NO | NAME OF PART | KS SPECIFICATION | ANSI SPECIFICATION | | | | | REMARKS |
|---|---|---|---|---|---|---|---|---|
| | | STANDARD | STANDARD | HIGH TEMPERATURE SERVICE | | | LOW TEMP SERVICE | |
| 1 | BODY | SCPH2 | A216-WCB | A217-WC6 | A217-WC9 | A217-C5 | A352-LCB | |
| 2 | BONNET | SCPH2 | A216-WCB | A217-WC6 | A217-WC9 | A217-C5 | A352-LCB | |
| 3 | SCREEN HOLDER | STS304 | A240-304 | A240-304 | A240-304 | A240-304 | A240-304 | |
| 4 | SCREEN | 304S.S | A240-304 | A240-304 | A240-304 | A240-304 | A240-304 | |
| 5 | BONNET BOLT | SNB7 | A193-B7 | A193-B7 | A193-B7 | A193-B7 | A193-B7 | |
| 6 | BONNET NUT | SM45C | A194-2H | A194-2H | A194-2H | A194-2H | A194-2H | |
| 7 | GASKET | HKC'S STANDARD WHEN NOT SPECIFIED | | | | | | |
| 8 | DRAIN PLUG | SNB7 | A193-B7 | A193-B7 | A193-B7 | A193-B7 | A193-B7 | |

## CAST STAINLESS STEEL

| NO | NAME OF PART | KS SPECIFICATION | ANSI SPECIFICATION | | | | REMARKS |
|---|---|---|---|---|---|---|---|
| 1 | BODY | SSC13 | A351-CF8 | A351-CF8M | A351-CF3 | A351-CF3M | |
| 2 | BONNET | SSC13 | A351-CF8 | A351-CF8M | A351-CF3 | A351-CF3M | |
| 3 | SCREEN HOLDER | STS304 | A240-304 | A240-316 | A240-304L | A240-316L | |
| 4 | SCREEN | 304S.S | A240-304 | A240-316 | A240-304L | A240-316L | |
| 5 | BONNET BOLT | STS304 | A193-B8 | A193-B8 | A193-B8 | A193-B8 | |
| 6 | BONNET NUT | STS304 | A194-8 | A194-8 | A194-8 | A194-8 | |
| 7 | GASKET | HKC'S STANDARD WHEN NOT SPECIFIED | | | | | |
| 8 | DRAIN PLUG | STS304 | A193-B8 | A193-B8 | A193-B8 | A193-B8 | |

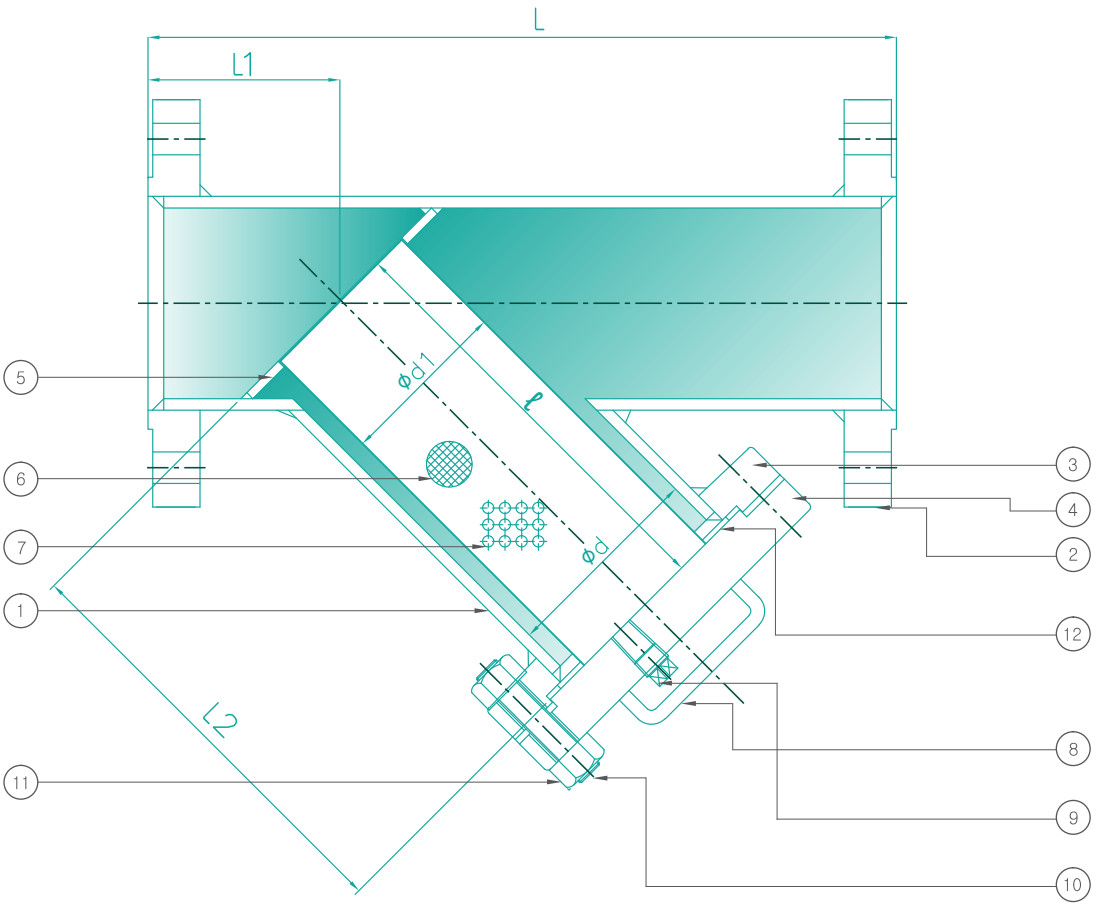
■ Y-STR CLASS 150LB / KS 10K, 300LB / KS 20K (UNIT : mm)

| SIZE | inch | ½ | ¾ | 1 | 1¼ | 1½ | 2 | 2½ | 3 | 4 | 5 | 6 | 8 | 10 | 12 | 14 | 16 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | mm | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 | 350 | 400 |
| 150# (10K) | L | 140 | 140 | 163 | 182 | 205 | 230 | 275 | 285 | 350 | 390 | 445 | 545 | 670 | 775 | 890 | 1050 |
| | H | 70 | 85 | 100 | 120 | 130 | 150 | 200 | 210 | 235 | 290 | 330 | 450 | 500 | 560 | 700 | 710 |
| 300# (20K) | L | - | - | - | - | - | 245 | 295 | 325 | 370 | 420 | 485 | 585 | 720 | 775 | 890 | 1050 |
| | H | - | - | - | - | - | 150 | 200 | 210 | 255 | 290 | 330 | 450 | 500 | 560 | 700 | 710 |
| 600# (40K) | L<br>H | HKC'S STANDARD | | | | | | | | | | | | | | | |

# CANNING TYPE

04

MODEL NO : HKC-YSC15 / HKC-YSC1




## CANNING TYPE

| NO | NAME OF PART | CARBON STEEL | STAINLESS STEEL | | | | REMARKS |
|---|---|---|---|---|---|---|---|
| 1 | BODY | A234 | A312-TP304 | A312-TP316 | A312-TP304L | A312-TP316L | |
| 2 | NOZZLE FLANGE | A105 | A240-304 | A240-316 | A240-304L | A240-316L | |
| 3 | SHELL FLANGE | A105 | A240-304 | A240-316 | A240-304L | A240-316L | |
| 4 | BONNET | A105 | A240-304 | A240-316 | A240-304L | A240-316L | |
| 5 | ELEMENT SEAT | A105 | A240-304 | A240-316 | A240-304L | A240-316L | |
| 6 | SCREEN | 304S.S | 304S.S | 316S.S | 304LS.S | 316LS.S | |
| 7 | SCREEN HOLDER | A240-304 | A240-304 | A240-316 | A240-304L | A240-316L | |
| 8 | HANDLE | A105 | A276-304 | A276-304 | A276-304 | A276-304 | |
| 9 | DRAIN PLUG | A193-B7 | A276-304 | A276-304 | A276-304 | A276-304 | |
| 10 | BONNET BOLT | A193-B7 | A193-B8 | A193-B8 | A193-B8 | A193-B8 | |
| 11 | BONNET BOLT NUT | A194-2H | A194-B | A194-B | A194-B | A194-B | |
| 12 | GASKET | HKC'S STANDARD WHEN NOT SPECIFIED | | | | | |

■ Y-STR CLASS 150LB / KS 10K

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SIZE | inch | 1 | 1 ½ | 2 | 2 ½ | 3 | 4 | 5 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 |
| | mm | 25 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 |
| 150# (10K) | d | 34.0 | 48.6 | 60.5 | 76.3 | 89.1 | 114.3 | 139.8 | 165.2 | 216.3 | 267.4 | 318.5 | 355.6 | 406.4 | 4570 | 508.2 |
| | L | 270 | 280 | 290 | 320 | 320 | 400 | 450 | 480 | 580 | 680 | 800 | 930 | 1050 | 1200 | 1300 |
| | L1 | 60 | 70 | 80 | 85 | 90 | 105 | 110 | 120 | 150 | 190 | 210 | 255 | 270 | 310 | 340 |
| | L2 | 195 | 235 | 255 | 295 | 326 | 366 | 420 | 462 | 551 | 656 | 756 | 880 | 1015 | 1115 | 1215 |
| Element | d1 | 24 | 34 | 37 | 52 | 60 | 80 | 110 | 120 | 170 | 220 | 250 | 300 | 340 | 400 | 450 |
| | ℓ | 191 | 231 | 236 | 245 | 305 | 345 | 391 | 430 | 512 | 617 | 717 | 834 | 877 | 938 | 1000 |
| Plug(PT) | | ½" | ½" | ½" | ½" | ½" | ½" | ½" | ¾" | ¾" | ¾" | ¾" | ¾" | ¾" | ¾" | ¾" |