

# S4 TRUE UNION INLINE STRAINER - PVC

## SPECIFICATIONS:

Sizes: 3/8" - 4" (DN 10-80) (d 16-90)
Body material: PVC (NSF61 approved)
O-rings: EPDM, Viton (NSF61 approved)
Screen:
Natural polypropylene - 1800 micron - coarse (NSF61 approved)
Stainless steel - 1000, 750 micron - medium (NSF61 approved)
Stainless steel - 250 - 500 micron - fine (NSF61 approved)

## Operating pressure:

3/8" (DN 10) - 2 1/2" (DN 65) 232 psi (16bar)

3", 4" (DN 80) 145 psi (10 bar)

## Valve ends:

- Solvent cement socket (ASTM, DIN, JIS)
- Solvent cement spigot (DIN)
- Threaded socket (BSP, NPT)
- Flange (ANSI, ASA, DIN, JIS)

## FEATURES:

- radial installation or removal
- transparent body
- ideal flow characteristics
- easy service

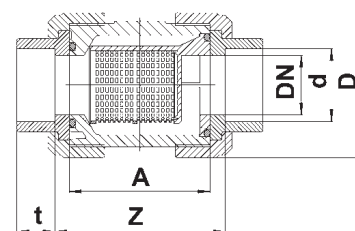
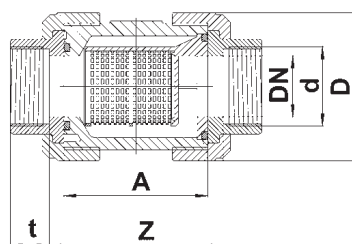
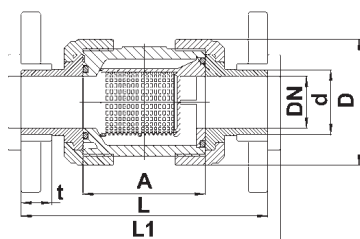


## Sample Specification:

All Praher S4 series inline strainers 3/8" - 4" shall be of True Union design and shall have identical overall length and union connection than all other Praher S4 series ball and check valves. Full union design shall allow serviceability and full access to all internal components. The 1800 micron strainer insert shall be of a one piece construction made from Polypropylene material conforming to ASTM 4101, cell PP02120B-67272.

The 1000, 750, 500 & 250 micron strainer inserts shall be made from an outer two piece Polypropylene strainer insert housing which shall be the support structure to the interchangeable stainless steel screens. All screens inserts shall be made from grade 316 stainless steel with perforations of 1000 micron, 750 micron, 500 micron and 250 micron respectively. The minimum open mesh area shall be 160% of the equivalent internal pipe size. The strainer body shall be made of transparent PVC which shall be in conformance with NSF 61. All O-rings shall be made of EPDM of VITON and shall be NSF 61 compliant.

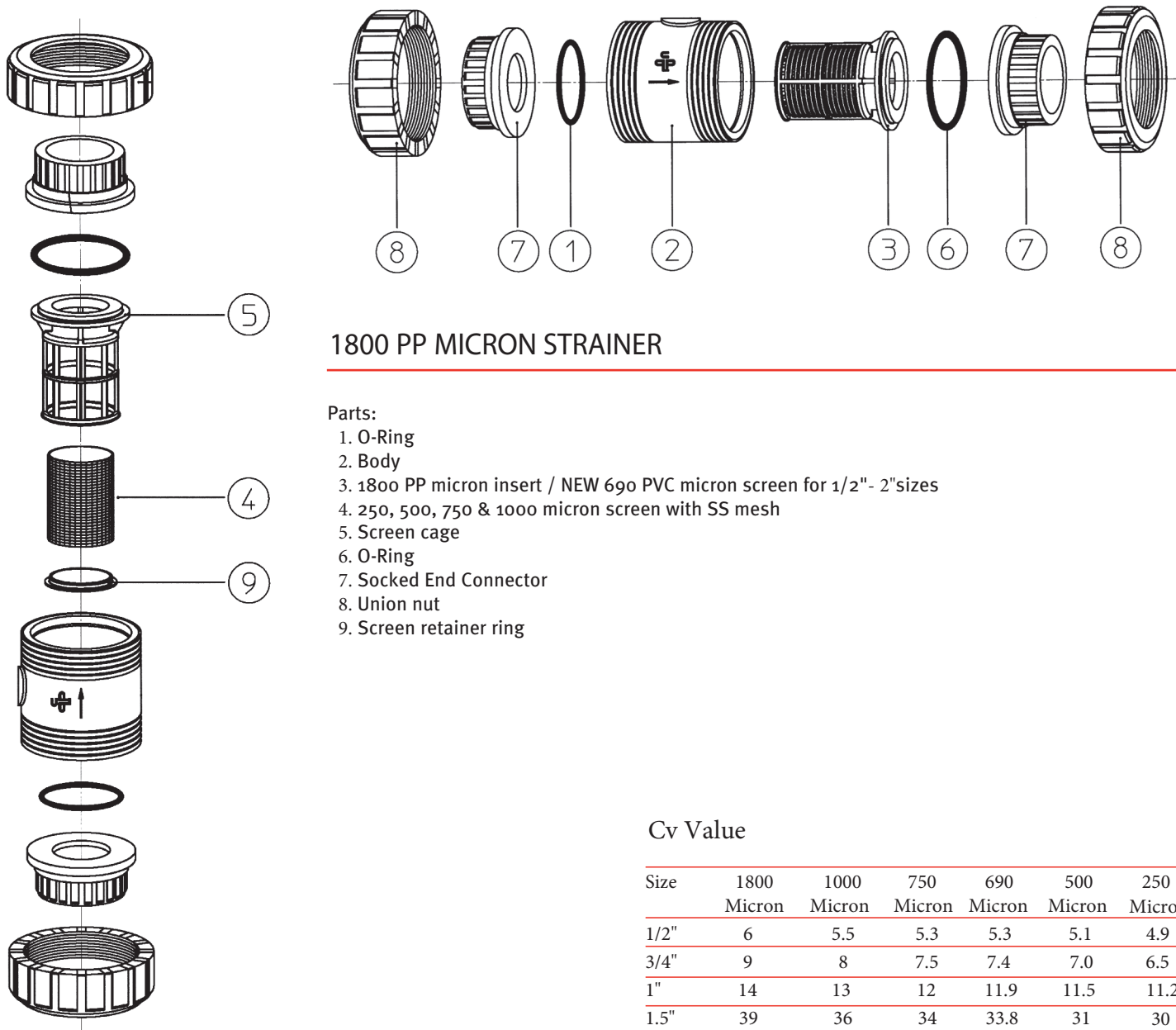
End connectors and union nut shall be made from industrial grey PVC conforming to NSF 61 and ASTM D1764, cell 12454. The strainers shall also be offered in PP and PVDF housings (non-transparent materials) with PP and PVDF union nuts and end connectors in TRUE union style.



d	mm	16	20	25	32	40	50	63	75	90	110
DN	mm	10	15	20	25	32	40	50	65	80	80
G	inches	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
L	mm	114.0	124.0	144.0	154.0	174.0	194.0	224.0	284.0	300.0	340.0
L1	mm	120.0	130.0	150.0	160.0	180.0	200.0	230.0	290.0	310.0	350.0
A	mm	62.0	62.0	70.0	74.0	84.0	95.0	109.0	137.0	163.0	163.0
Z	mm	67.5	67.5	76.0	81.0	90.0	104.0	121.0	148.0	183.0	176.0
t	mm	16.5	16.5	19.5	22.5	26.5	31.5	38.5	45.0	55.5	64.0
D	mm	53.0	53.0	63.0	70.0	85.0	101.0	121.5	155.0	188.0	188.0
PN	bar	16	16	16	16	16	16	16	16	10	10

all dimensions in mm, all pressure ratings (PN) in BAR

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## 1800 PP MICRON STRAINER

Parts:

- 1. O-Ring
- 2. Body
- 3. 1800 PP micron insert / NEW 690 PVC micron screen for 1/2"- 2" sizes
- 4. 250, 500, 750 & 1000 micron screen with SS mesh
- 5. Screen cage
- 6. O-Ring
- 7. Socked End Connector
- 8. Union nut
- 9. Screen retainer ring

250, 500, 750, 1000 SS MICRON

### Cv Value

Size	1800 Micron	1000 Micron	750 Micron	690 Micron	500 Micron	250 Micron
1/2"	6	5.5	5.3	5.3	5.1	4.9
3/4"	9	8	7.5	7.4	7.0	6.5
1"	14	13	12	11.9	11.5	11.2
1.5"	39	36	34	33.8	31	30
2"	58	53	50	49.9	48	47
2.5"	85	80	77	N/A	72	70
3"	125	115	110	N/A	100	97

USGPM @ 72 F Water