

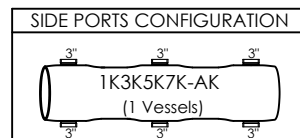
| BILL OF MATERIALS |     |         |                                    |                                    |
|-------------------|-----|---------|------------------------------------|------------------------------------|
| ITEM              | QTY | P/N     | DESCRIPTION                        | MATERIAL                           |
| 1                 | 1   | TBD     | Shell                              | Filament Wound, Epoxy FRP          |
| 2                 | 2   | 4080030 | Bearing Plate                      | 6061-T6 Aluminum, SB-221, Anodized |
| 3                 | 2   | 4080177 | Sealing Plate                      | Noryl                              |
| 4                 | 4   | 4080254 | Feed Port, 3", "K"                 | Stainless Steel, 316, SA-312       |
| 5                 | 8   | 6201343 | Retaining Ring, Feed Port, 3", "K" | Stainless Steel, 316, SA-479       |
| 6                 | 4   | 6188504 | O-Ring Seal, Feed Port, 3", "K"    | Ethylene Propylene                 |
| 7                 | 1   | 4080833 | Concentrate Port, 3", "M"          | Stainless Steel, 316, SA-312       |
| 8                 | 2   | 6121343 | Retaining Ring, Feed Port, 3", "K" | Stainless Steel, 316 Series        |
| 9                 | 2   | 6180325 | Seal, Concentrate Port, 3", "M"    | Ethylene Propylene                 |
| 9*                | 2   | 6180338 | Seal, Concentrate Port, 3", "M"    | Ethylene Propylene                 |
| *10               | 2   | 4080788 | Permeate Port                      | Noryl                              |
| 11                | 2   | 6100442 | Head Seal                          | Ethylene Propylene                 |
| 12                | 2   | 6180229 | Permeate Port Seal                 | Ethylene Propylene                 |

\* Different Permeate Port connections available upon request

| BILL OF MATERIALS |     |         |                               |                       |
|-------------------|-----|---------|-------------------------------|-----------------------|
| ITEM              | QTY | P/N     | DESCRIPTION                   | MATERIAL              |
| 13                | 2   | 4080320 | Retaining Ring w/ Finger Pull | Stainless Steel, 316  |
| 14                | 2   | 6121200 | Retaining Ring, Permeate Port | Stainless Steel, 316  |
| **15              | 2   | 4080174 | Support Saddle                | Thermoplastic Rubber  |
| 16                | 2   | 4080800 | Strap Assembly                | Stainless Steel, 316  |
| 17                | 4   | 6150072 | Strap Screw                   | Stainless Steel, 18-8 |
| 18                | 2   | 5080049 | Adapter                       | Noryl                 |
| 19                | 1   | 4080786 | Thrust Ring                   | PVC Thermoplastic     |
| 20                | 2   | 6180326 | Adapter Seal                  | Ethylene Propylene    |
| 21                | 8   | 6180119 | PWT Seal                      | Ethylene Propylene    |
| 22                | 2   | 4080964 | Adapter plug                  | PET                   |
| 23                | 1   | 4080347 | Internal Install Device       | PVC Thermoplastic     |
| 24                | 3   | 4080064 | Shimming Rings (5mm)          | Noryl                 |
| 25                | 3   | 4080704 | Shimming Rings (2mm)          | Noryl                 |

\*\* 3 saddles are supplied when vessels are -4 elements or longer

| GENERAL DIMENSIONS |        |         |                          |                 |
|--------------------|--------|---------|--------------------------|-----------------|
| Shell Length Code  | L mm   | P mm    | S Standard 2 Pt. Span mm | Empty Weight kg |
| -3X3               | 6774.5 | 3238.50 | 1 @ 4766                 | TBD             |



NOTES  
DIMENSIONS IN MM

FOR REFERENCE ONLY, NOT FOR CONSTRUCTION UNLESS CERTIFIED

FOR VESSEL INSTALLATION AND MAINTENANCE PLEASE REFER TO PROTEC ARISAWA USER'S MANUAL

CENTER VESSEL ON SUPPORTS AT SPAN(S) "S". 3 POINT SUPPORT QUOTED SEPARATELY FOR SHELL LENGTHS -4 AND LONGER.

INTERNAL PERMEATE PRESSURE MUST NOT EXCEED 125 PSI.

ASME SECTION X, RP CODE STAMP OPTIONAL

PRO 8-450-MCP MODEL AVAILABLE SIDE PORT SIZES: 1.5" / 2" / 2.5" / 3"

DESIGN PRESSURE = 450 PSI  
DESIGN TEMPERATURE = Min. -7°C (20°F) - Max. 49°C (120°F)  
FOR OTHER TEMPERATURES OUT OF THIS RANGE CONTACT PROTEC ARISAWA  
HYDROTEST PRESSURE: N° x1.43 CE MARKING or N° x1.1 ASME



PRO-8-450-MCP

|                           |              |                       |                   |          |
|---------------------------|--------------|-----------------------|-------------------|----------|
| ENGR<br>BOA<br>29/04/2021 |              |                       |                   |          |
| QLTY<br>PM<br>29/04/2021  |              |                       |                   |          |
| MRKT<br>OB<br>29/04/2021  | ECO<br>21053 | REVISED<br>29/04/2021 | DRAWING<br>103207 | REV<br>C |