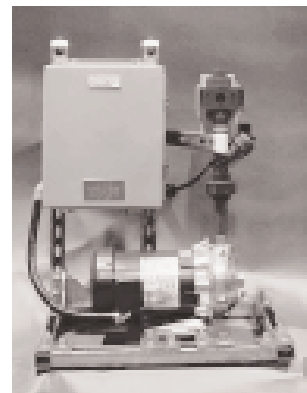


VP Series Deionizer Accessories Model VPZ



VP Series Deionizer accessories provide additional flexibility for mixed bed and two bed deionizers. These accessories are pre-engineered, pre-assembled catalog units that are shipped loose for field installation on the deionizer.

Low Flow Recirculation (LFR):

The low flow recirculation accessory ensures high water quality from the deionizer when operating at flow rates below the minimum specified rate. The recirculation pump automatically runs when the service flow rate drops below the minimum specified rate. The recirculation pump is a 316 stainless steel, close-coupled, centrifugal pump with a 115 volt, TEFC motor. Also included is a local control enclosure that is wired directly to the main control enclosure on the deionizer.

| Diameter | 016 | 020 | 024 | 030 | 036 | 042 | 048 | 054 | 060 | 066 | 072 |
|-------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| Recirculation Flow Rate (gpm) | 3 | 4 | 6 | 10 | 14 | 19 | 23 | 31 | 39 | 47 | 55 |
| Horse Power | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.75 | 0.75 | 0.75 |
| Size Code | 016 | 020 | 024 | 030 | 036 | 042 | 048 | 054 | 060 | 066 | 072 |

Effluent Resin Trap (TRP):

The effluent resin trap accessory prevents the loss of ion exchange resin from the deionizer vessel in the unlikely event of underdrain failure. The effluent resin trap consists of a clear section of PVC pipe with a PVC slotted strainer. The effluent resin trap is installed in the service effluent piping of the anion or mixed bed vessel.

| Diameter | 016 | 020 | 024 | 030 | 036 | 042 | 048 | 054 | 060 | 066 | 072 |
|---------------------|-----|-----|--------|--------|--------|--------|-----|--------|-----|-----|-----|
| Mixed Bed Pipe Size | 1" | 1" | 1-1/4" | 1-1/2" | 2" | 2-1/2" | 3" | 3" | 4" | 4" | 4" |
| Mixed Bed Size Code | 100 | 100 | 125 | 150 | 200 | 250 | 300 | 300 | 400 | 400 | 400 |
| Two Bed Pipe Size | 1" | 1" | 1" | 1-1/4" | 1-1/2" | 2" | 2" | 2-1/2" | 3" | 3" | 4" |
| Two Bed Size Code | 100 | 100 | 100 | 125 | 150 | 200 | 200 | 250 | 300 | 300 | 400 |

Pressure Reducing Regulator (PRV):

The pressure reducing regulator accessory ensures consistent and reliable operation of the deionizer when the feedwater undergoes fluctuations in pressure. This self-contained regulator is installed on the feedwater inlet of the deionizer.

| Diameter | 016 | 020 | 024 | 030 | 036 | 042 | 048 | 054 | 060 | 066 | 072 |
|---------------------|------|------|--------|--------|--------|--------|------|--------|--------|--------|------|
| Mixed Bed Pipe Size | 1" | 1" | 1-1/4" | 1-1/2" | 2" | 2-1/2" | 3" | 3" | 4" | 4" | 4" |
| Regulator Size | 3/4" | 3/4" | 1" | 1-1/4" | 1-1/4" | 2" | 2" | 2" | 2-1/2" | 2-1/2" | 3" |
| Mixed Bed Size Code | 075S | 075D | 100D | 125S | 125D | 200S | 200D | 200D | 250S | 250D | 300S |
| Two Bed Pipe Size | 1" | 1" | 1" | 1-1/4" | 1-1/2" | 2" | 2" | 2-1/2" | 3" | 3" | 4" |
| Regulator Size | 3/4" | 3/4" | 1" | 1-1/4" | 1-1/4" | 2" | 2" | 2" | 2-1/2" | 2-1/2" | 3" |
| Two Bed Size Code | 075S | 075D | 100D | 125S | 125D | 200S | 200D | 200D | 250S | 250D | 300S |

ORDERING INFORMATION Order as separate items

| | | | | |
|-----------------|----|-----------|--------------------------|--|
| Catalog Number: | VP | Z | XXX | XXX |
| Reserved | | Accessory | | |
| Size Code | | | See tables for size code | |
| Accessory Code | | | | LFR-Low flow recirculation pump TRP-Resin trap PRV-Pressure reducing regulator |