

VERSADIAL™ CONTROL SYSTEM



INCREASED DILUTION RANGE & RESOLUTION –

With the car wash industry pushing towards more concentrated chemical solutions, Hydra-Flex has developed a unique solution that offers an extended range of dosing ratios with extreme low-end tolerance: the VersaDial Control System. With 32 unique settings, the dial is able to work with the lowest concentrates on the market.

IMPROVED RELIABILITY & CONSISTENCY –

The chemical control disk utilizes a long, torturous channel – vs. a small orifice size found in current metering tips – which eliminates clogs, requiring less maintenance and replacements. The dial also provides consistency from draw to draw, and from device to device. The correct amount of chemistry is delivered, every time.

EASE OF USE & SAFETY – Eliminates the need to physically change tips or find colors, just rotate the dial to your desired dilution. VersaDial also provides greater safety for users by eliminating the need to interact directly with chemistry.



VERSADIAL™ CONTROL SYSTEM



PC1 INJECTORS
PC1 x 1/4" MNPT



PC2 INJECTORS
PC2 x 3/8" MNPT



PC3 INJECTORS
PC3 x 3/4" MNPT



SINGLE INJECTORS

















































For diluting one chemical with water.



DUAL INJECTORS

For diluting two chemicals with water. Ideal for adding a color or scent to your solution.

STEP 1: CHOOSE YOUR CHEM-FLEX™ VERSADIAL™ INJECTORS

| DESCRIPTION | | PC1 VERSADIAL™ INJECTOR | | PC2 VERSADIAL™ INJECTOR | | PC3 VERSADIAL™ INJECTOR |
|--------------------------------|--------------------------------|--|--|--|--|--|
| OUTLET CONNECTION | | 1/4" MNPT | | 3/8" MNPT | | 3/4" MNPT |
| FOR USE WITH AQUA-LAB MODEL(S) | | SD GEN2 | | MD GEN2, XD GEN2, HD | | XD GEN2, HD |
| COLOR | FLOW RATE @ 200 PSI (13.9 bar) | SINGLE | DUAL | SINGLE | DUAL | SINGLE |
| White | 0.25 GPM (1.0 LPM) |  317029 | - |  717029 |  727029 | - |
| Yellow | 0.50 GPM (1.9 LPM) |  317040 |  327040 |  717040 |  727040 | - |
| Tan | 0.75 GPM (2.8 LPM) |  317051 |  327051 |  717051 |  727051 | - |
| Red | 1.00 GPM (3.8 LPM) |  317057 |  327057 |  717057 |  727057 | - |
| Orange | 1.50 GPM (5.7 LPM) |  317070 |  327070 |  717070 |  727070 | - |
| Gray | 2.00 GPM (7.6 LPM) |  317083 |  327083 |  717083 |  727083 | - |
| Dark Blue | 2.25 GPM (8.5 LPM) |  317086 |  327086 |  717086 |  727086 | - |
| Light Blue | 3.00 GPM (11.3 LPM) |  317095 |  327095 |  717095 |  727095 | - |
| Light Green | 3.25 GPM (12.3 LPM) |  317098 |  327098 |  717098 |  727098 | - |
| Pink | 3.75 GPM (14.2 LPM) |  317106 |  327106 |  717106 |  727106 | - |
| Purple | 4.50 GPM (17.0 LPM) | - | - |  717117 |  727117 | - |
| Dark Green | 5.50 GPM (20.8 LPM) |  317125 | - |  717125 |  727125 | - |
| Black | 8.00 GPM (30.3 LPM) | - | - | - | - |  817161 |
| Black | 10.00 GPM (37.9 LPM) | - | - | - | - |  817177 |
| Black | 12.00 GPM (45.2 LPM) | - | - | - | - |  817186 |
| Black | 15.00 GPM (56.8 LPM) | - | - | - | - |  817207 |

VERSADIAL™ CONTROL SYSTEM

STEP 2: SELECT YOUR DEVICE, MOUNTING, ACCESSORIES & REPLACEMENT PARTS

VERSADIAL™ DEVICE

Included: Filter, Chemical Control Dial & Quick Connect



PART NUMBER

1002531

VERSADIAL™ MOUNTING & TUBE MANAGEMENT

Included: (1) Mounting & Tube Management



PART NUMBER

1003017

VERSADIAL™ QUICK CONNECT 1/4" HOSE BARB

Included: (1) 1/4" Quick Connect Threaded Hose Barb For Use With Vacuum Gauge or Metering Tips



PART NUMBER

1003027

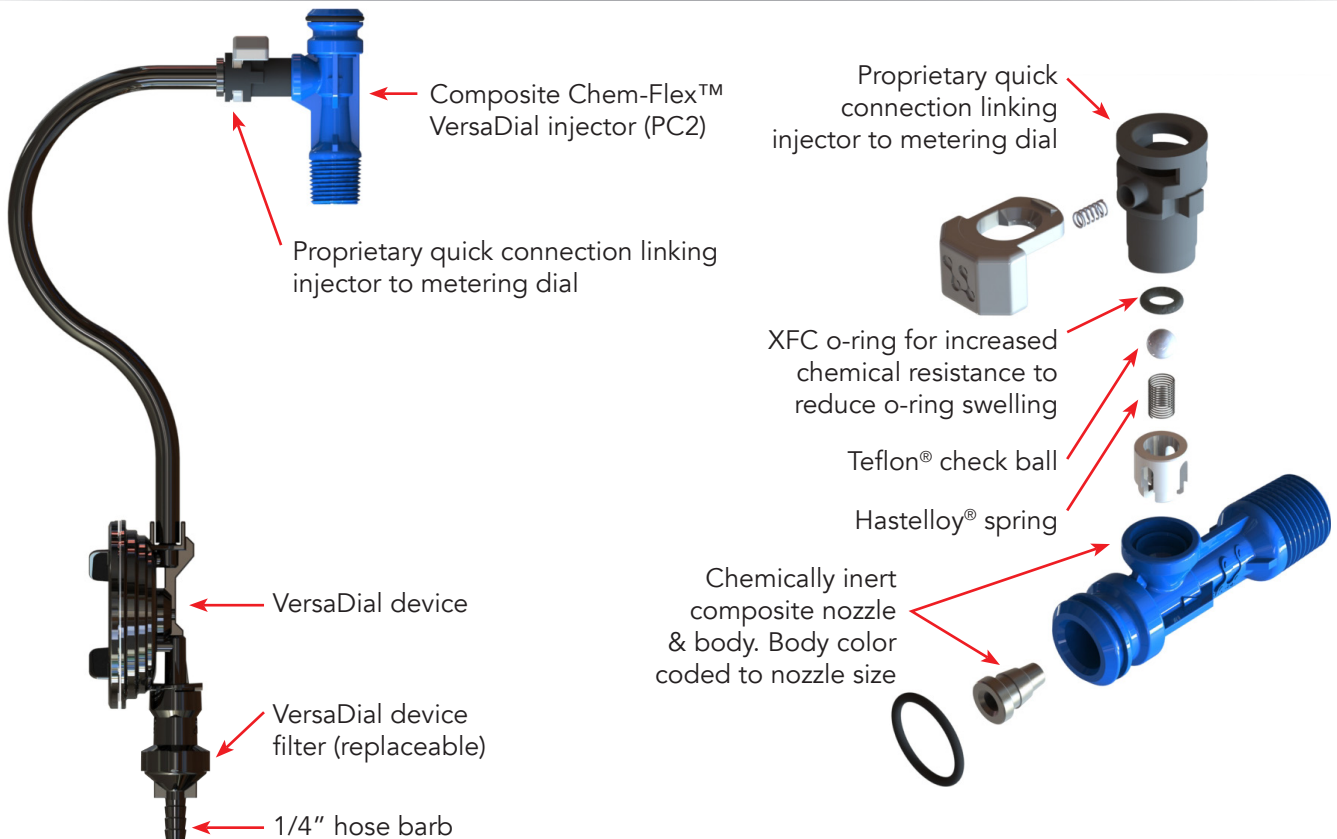
VERSADIAL™ REPLACEMENT FILTERS

Included: (5) Replacement Filters



PART NUMBER

1002987



SEE BACK PAGE FOR DILUTION RATIOS

VERSADIAL™ CONTROL SYSTEM

SPECIFICATIONS

| | | | |
|---|-------------------------------|-----------------------------|-------------------------------|
| Max Pressure Inlet / Outlet (Injectors) | Up to 250 PSI (17 bar) | Maximum Wrench Torque (PC3) | Hand Tighten Only (60 in-lbs) |
| Temperature Range | 33°F - 140°F (.5°C - 60°C) | PC1 Inlet/Outlet Connection | PC1 x 1/4" MNPT |
| Metering Filter Screen | 150 Micron Screen | PC2 Inlet/Outlet Connection | PC2 x 3/8" MNPT |
| Maximum Wrench Torque (PC1, PC2) | Hand Tighten Only (30 in-lbs) | PC3 Inlet/Outlet Connection | PC3 x 3/4" MNPT |

NOTE: Draw rates are based on water through the metering device and are meant as a starting point for system configuration. Specific draw rates will vary based on specific gravity and viscosity of product.

| Flow Rate (GPM) at 200 PSI → | 0.25 | 0.50 | 0.75 | 1.00 | 1.50 | 2.00 | 2.25 | 3.00 | 3.25 | 3.75 | 4.50 | 5.50 | 8.0 | 10.0 | 12.0 | 15.0 |
|------------------------------|-------|--------|-------|-------|--------|--------|--------|------------|-------------|--------|--------|------------|--------|--------|---------|---------|
| Injector Color → | White | Yellow | Tan | Red | Orange | Gray | Blue | Light Blue | Light Green | Pink | Purple | Dark Green | Black | Black | Black | Black |
| Dial Setting: 1 | 1:223 | 1:445 | 1:668 | 1:891 | 1:1336 | 1:1781 | 1:2004 | 1:2672 | 1:2895 | 1:3340 | 1:4008 | 1:4899 | 1:7125 | 1:8907 | 1:10688 | 1:13360 |
| Dial Setting: 2 | 1:185 | 1:369 | 1:554 | 1:738 | 1:1107 | 1:1476 | 1:1661 | 1:2215 | 1:2399 | 1:2768 | 1:3322 | 1:4060 | 1:5906 | 1:7382 | 1:8859 | 1:11073 |
| Dial Setting: 3 | 1:162 | 1:325 | 1:487 | 1:650 | 1:974 | 1:1299 | 1:1461 | 1:1949 | 1:2111 | 1:2436 | 1:2923 | 1:3573 | 1:5196 | 1:6495 | 1:7795 | 1:9743 |
| Dial Setting: 4 | 1:141 | 1:282 | 1:423 | 1:565 | 1:847 | 1:1129 | 1:1270 | 1:1694 | 1:1835 | 1:2117 | 1:2540 | 1:3105 | 1:4516 | 1:5645 | 1:6774 | 1:8468 |
| Dial Setting: 5 | 1:121 | 1:242 | 1:363 | 1:484 | 1:726 | 1:968 | 1:1089 | 1:1452 | 1:1573 | 1:1815 | 1:2178 | 1:2663 | 1:3873 | 1:4841 | 1:5809 | 1:7262 |
| Dial Setting: 6 | 1:102 | 1:204 | 1:306 | 1:408 | 1:612 | 1:816 | 1:917 | 1:1223 | 1:1325 | 1:1529 | 1:1835 | 1:2243 | 1:3262 | 1:4078 | 1:4893 | 1:6116 |
| Dial Setting: 7 | 1:85 | 1:169 | 1:254 | 1:339 | 1:508 | 1:678 | 1:762 | 1:1016 | 1:1101 | 1:1271 | 1:1525 | 1:1864 | 1:2711 | 1:3388 | 1:4066 | 1:5082 |
| Dial Setting: 8 | 1:70 | 1:140 | 1:210 | 1:281 | 1:421 | 1:561 | 1:631 | 1:842 | 1:912 | 1:1052 | 1:1263 | 1:1543 | 1:2245 | 1:2806 | 1:3367 | 1:4209 |
| Dial Setting: 9 | 1:58 | 1:115 | 1:173 | 1:231 | 1:346 | 1:461 | 1:519 | 1:692 | 1:750 | 1:865 | 1:1038 | 1:1268 | 1:1845 | 1:2306 | 1:2767 | 1:3459 |
| Dial Setting: 10 | 1:50 | 1:100 | 1:151 | 1:201 | 1:301 | 1:402 | 1:452 | 1:603 | 1:653 | 1:753 | 1:904 | 1:1105 | 1:1607 | 1:2009 | 1:2411 | 1:3013 |
| Dial Setting: 11 | 1:44 | 1:88 | 1:132 | 1:175 | 1:263 | 1:351 | 1:395 | 1:526 | 1:570 | 1:658 | 1:790 | 1:965 | 1:1404 | 1:1755 | 1:2105 | 1:2632 |
| Dial Setting: 12 | 1:38 | 1:77 | 1:115 | 1:154 | 1:231 | 1:308 | 1:346 | 1:461 | 1:500 | 1:577 | 1:692 | 1:846 | 1:1231 | 1:1538 | 1:1846 | 1:2307 |
| Dial Setting: 13 | 1:34 | 1:68 | 1:102 | 1:136 | 1:204 | 1:273 | 1:307 | 1:409 | 1:443 | 1:511 | 1:613 | 1:750 | 1:1091 | 1:1363 | 1:1636 | 1:2045 |
| Dial Setting: 14 | 1:30 | 1:61 | 1:91 | 1:122 | 1:182 | 1:243 | 1:274 | 1:365 | 1:395 | 1:456 | 1:547 | 1:669 | 1:973 | 1:1216 | 1:1459 | 1:1824 |
| Copper | 1:29 | 1:57 | 1:86 | 1:114 | 1:172 | 1:229 | 1:258 | 1:343 | 1:372 | 1:429 | 1:515 | 1:630 | 1:916 | 1:1145 | 1:1374 | 1:1717 |
| Pumpkin | 1:28 | 1:57 | 1:85 | 1:113 | 1:170 | 1:227 | 1:255 | 1:340 | 1:369 | 1:425 | 1:510 | 1:624 | 1:908 | 1:1134 | 1:1361 | 1:1702 |
| Dial Setting: 15 | 1:27 | 1:55 | 1:82 | 1:110 | 1:165 | 1:220 | 1:247 | 1:330 | 1:357 | 1:412 | 1:495 | 1:605 | 1:880 | 1:1100 | 1:1320 | 1:1649 |
| Burgundy | 1:25 | 1:51 | 1:76 | 1:101 | 1:152 | 1:202 | 1:228 | 1:304 | 1:329 | 1:379 | 1:455 | 1:556 | 1:809 | 1:1012 | 1:1214 | 1:1518 |
| Dial Setting: 16 | 1:25 | 1:50 | 1:75 | 1:100 | 1:149 | 1:199 | 1:224 | 1:299 | 1:324 | 1:374 | 1:448 | 1:548 | 1:797 | 1:996 | 1:1195 | 1:1494 |
| Dial Setting: 17 | 1:22 | 1:44 | 1:67 | 1:89 | 1:133 | 1:178 | 1:200 | 1:267 | 1:289 | 1:334 | 1:400 | 1:489 | 1:711 | 1:889 | 1:1067 | 1:1334 |
| Dial Setting: 18 | 1:20 | 1:41 | 1:61 | 1:82 | 1:123 | 1:163 | 1:184 | 1:245 | 1:266 | 1:306 | 1:368 | 1:449 | 1:654 | 1:817 | 1:980 | 1:1225 |
| Lime | 1:20 | 1:41 | 1:61 | 1:81 | 1:122 | 1:162 | 1:182 | 1:243 | 1:263 | 1:304 | 1:365 | 1:446 | 1:648 | 1:810 | 1:972 | 1:1215 |
| Tan | 1:20 | 1:39 | 1:59 | 1:78 | 1:117 | 1:157 | 1:176 | 1:235 | 1:254 | 1:294 | 1:352 | 1:431 | 1:626 | 1:783 | 1:940 | 1:1175 |
| Dial Setting: 19 | 1:19 | 1:39 | 1:58 | 1:77 | 1:116 | 1:154 | 1:173 | 1:231 | 1:251 | 1:289 | 1:347 | 1:424 | 1:617 | 1:771 | 1:925 | 1:1156 |
| Dial Setting: 20 | 1:18 | 1:36 | 1:54 | 1:72 | 1:109 | 1:145 | 1:163 | 1:217 | 1:236 | 1:272 | 1:326 | 1:399 | 1:580 | 1:725 | 1:870 | 1:1087 |
| Orange | 1:17 | 1:34 | 1:51 | 1:69 | 1:103 | 1:137 | 1:154 | 1:206 | 1:223 | 1:257 | 1:308 | 1:377 | 1:548 | 1:685 | 1:822 | 1:1028 |
| Dial Setting: 21 | 1:17 | 1:34 | 1:51 | 1:68 | 1:102 | 1:136 | 1:153 | 1:204 | 1:221 | 1:255 | 1:306 | 1:374 | 1:543 | 1:679 | 1:815 | 1:1019 |
| Turquoise | 1:16 | 1:32 | 1:48 | 1:64 | 1:96 | 1:128 | 1:144 | 1:192 | 1:208 | 1:240 | 1:289 | 1:353 | 1:513 | 1:641 | 1:770 | 1:962 |
| Dial Setting: 22 | 1:16 | 1:32 | 1:47 | 1:63 | 1:95 | 1:127 | 1:142 | 1:190 | 1:206 | 1:237 | 1:285 | 1:348 | 1:506 | 1:633 | 1:760 | 1:950 |
| Dial Setting: 23 | 1:15 | 1:29 | 1:44 | 1:59 | 1:88 | 1:117 | 1:132 | 1:176 | 1:190 | 1:220 | 1:264 | 1:322 | 1:469 | 1:586 | 1:703 | 1:878 |
| Dial Setting: 24 | 1:13 | 1:27 | 1:40 | 1:54 | 1:81 | 1:107 | 1:121 | 1:161 | 1:175 | 1:201 | 1:242 | 1:295 | 1:430 | 1:537 | 1:645 | 1:806 |
| Dial Setting: 25 | 1:12 | 1:24 | 1:37 | 1:49 | 1:73 | 1:98 | 1:110 | 1:147 | 1:159 | 1:183 | 1:220 | 1:269 | 1:391 | 1:489 | 1:587 | 1:733 |
| Dial Setting: 26 | 1:11 | 1:23 | 1:34 | 1:45 | 1:68 | 1:90 | 1:101 | 1:135 | 1:146 | 1:169 | 1:203 | 1:248 | 1:361 | 1:451 | 1:541 | 1:676 |
| Pink | 1:10 | 1:20 | 1:31 | 1:41 | 1:61 | 1:82 | 1:92 | 1:123 | 1:133 | 1:154 | 1:184 | 1:225 | 1:361 | 1:410 | 1:492 | 1:615 |
| Dial Setting: 27 | 1:10 | 1:20 | 1:31 | 1:41 | 1:61 | 1:82 | 1:92 | 1:123 | 1:133 | 1:154 | 1:184 | 1:225 | 1:328 | 1:409 | 1:491 | 1:614 |
| Dial Setting: 28 | 1:9.1 | 1:18 | 1:27 | 1:36 | 1:55 | 1:73 | 1:82 | 1:109 | 1:118 | 1:137 | 1:164 | 1:200 | 1:292 | 1:365 | 1:437 | 1:547 |
| Light Blue | 1:8.9 | 1:18 | 1:27 | 1:36 | 1:53 | 1:71 | 1:80 | 1:107 | 1:115 | 1:133 | 1:160 | 1:195 | 1:284 | 1:355 | 1:426 | 1:533 |
| Dial Setting: 29 | 1:7.9 | 1:16 | 1:24 | 1:32 | 1:48 | 1:64 | 1:71 | 1:95 | 1:103 | 1:119 | 1:143 | 1:175 | 1:254 | 1:318 | 1:381 | 1:477 |
| Brown | 1:7.7 | 1:15 | 1:23 | 1:31 | 1:46 | 1:62 | 1:70 | 1:93 | 1:101 | 1:116 | 1:139 | 1:170 | 1:248 | 1:310 | 1:372 | 1:465 |
| Dial Setting: 30 | | 1:13 | 1:20 | 1:27 | 1:40 | 1:53 | 1:60 | 1:80 | 1:86 | 1:99 | 1:119 | 1:146 | 1:212 | 1:265 | 1:318 | 1:398 |
| Red | | 1:12 | 1:18 | 1:24 | 1:35 | 1:47 | 1:53 | 1:71 | 1:77 | 1:88 | 1:106 | 1:130 | 1:188 | 1:236 | 1:283 | 1:353 |
| White | | 1:11 | 1:16 | 1:21 | 1:32 | 1:43 | 1:48 | 1:64 | 1:70 | 1:80 | 1:96 | 1:118 | 1:171 | 1:214 | 1:257 | 1:321 |
| Dial Setting: 31 | | 1:9.9 | 1:15 | 1:20 | 1:30 | 1:40 | 1:45 | 1:60 | 1:65 | 1:75 | 1:89 | 1:109 | 1:159 | 1:199 | 1:239 | 1:298 |
| Green | | 1:9.9 | 1:15 | 1:20 | 1:30 | 1:39 | 1:44 | 1:59 | 1:64 | 1:74 | 1:89 | 1:109 | 1:158 | 1:197 | 1:237 | 1:296 |
| Blue | | 1:7.8 | 1:12 | 1:16 | 1:23 | 1:31 | 1:35 | 1:47 | 1:51 | 1:59 | 1:70 | 1:86 | 1:125 | 1:156 | 1:188 | 1:234 |
| Dial Setting: 32 | | | 1:9.1 | 1:12 | 1:18 | 1:24 | 1:27 | 1:36 | 1:39 | 1:45 | 1:54 | 1:66 | 1:97 | 1:121 | 1:145 | 1:181 |
| Yellow | | | 1:7.5 | 1:10 | 1:15 | 1:20 | 1:22 | 1:30 | 1:32 | 1:37 | 1:45 | 1:55 | 1:80 | 1:100 | 1:120 | 1:150 |
| Black | | | | 1:7.9 | 1:12 | 1:16 | 1:18 | 1:24 | 1:26 | 1:29 | 1:35 | 1:43 | 1:63 | 1:79 | 1:94 | 1:118 |
| Purple | | | | 1:3.9 | 1:5.9 | 1:7.9 | 1:8.8 | 1:12 | 1:13 | 1:15 | 1:18 | 1:22 | 1:31 | 1:39 | 1:47 | 1:59 |
| Gray | | | | 1:3 | 1:4.5 | 1:6.1 | 1:6.8 | 1:9.1 | 1:9.8 | 1:11 | 1:14 | 1:17 | 1:24 | 1:30 | 1:36 | 1:45 |

