

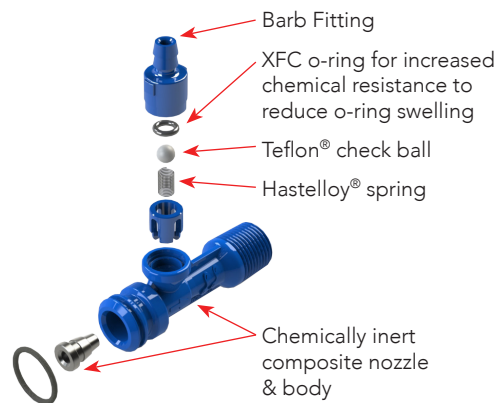
# CHEM-FLEX™

## ALL-COMPOSITE CHEMICAL INJECTORS



### THE MOST CHEMICAL-RESISTANT INJECTOR ON THE MARKET

Hydra-Flex has developed an innovative solution that will stand up to the most aggressive, yet common car wash chemicals – the composite injector. The nozzle and body of these injectors are manufactured using a corrosion-resistant composite material, which has been tested by the industry’s leading chemical manufacturers with consistently positive results. A Hastelloy® spring, a Teflon® check ball, and an exclusive XFC o-ring material are also used for long life and durability.



INLET CONNECTION			PC1		PC2		PC3
OUTLET CONNECTION			1/4" MNPT		3/8" MNPT		3/4" MNPT
FOR USE WITH AQUA-LAB MODEL(S)			SD (GEN 2 ONLY)		SD, EVO, MD, XD		XD, HD
COLOR	FLOW ORIFICE	FLOW RATE (@ 200 PSI)	SINGLE BARB	DUAL BARB	SINGLE BARB	DUAL BARB	SINGLE BARB
White	0.029	0.25 GPM	-	-	718029	729029	-
Yellow	0.040	0.50 GPM	318040	329040	718040	729040	-
Tan	0.051	0.75 GPM	318051	329051	718051	729051	-
Red	0.057	1.00 GPM	318057	329057	718057	729057	-
Orange	0.070	1.50 GPM	318070	329070	718070	729070	-
Gray	0.083	2.00 GPM	318083	329083	718083	729083	-
Dark Blue	0.086	2.25 GPM	318086	329086	718086	729086	-
Light Blue	0.095	3.00 GPM	318095	329095	718095	729095	-
Light Green	0.098	3.25 GPM	318098	329098	718098	729098	-
Pink	0.106	3.75 GPM	318106	329106	718106	729106	-
Purple	0.117	4.50 GPM	-	-	718117	729117	-
Dark Green	0.125	5.50 GPM	-	-	718125	729125	-
Black	0.161	8.00 GPM	-	-	-	-	818161
Black	0.177	10.0 GPM	-	-	-	-	818177
Black	0.186	12.0 GPM	-	-	-	-	818186
Black	0.207	15.0 GPM	-	-	-	-	818207

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#8-32 METERING TIPS																
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
Nozzle Size →	0.029" (0.7 mm)	0.040" (1.0 mm)	0.051" (1.3 mm)	0.057" (1.4 mm)	0.070" (1.8 mm)	0.083" (2.1 mm)	0.086" (2.2 mm)	0.095" (2.4 mm)	0.098" (2.5 mm)	0.106" (2.7 mm)	0.117" (2.9 mm)	0.125" (3.2 mm)	0.161" (4.1 mm)	0.117" (4.5 mm)	0.186" (4.7 mm)	0.207" (5.3 mm)
COPPER	1: 57	1: 104	1: 155	1: 195	1: 281	1: 406	1: 468	1: 598	1: 629	1: 739	1: 881	1: 1074	1: 2019	1: 2318	1: 3324	1: 4259
PUMPKIN	1: 43	1: 82	1: 119	1: 126	1: 238	1: 348	1: 398	1: 519	1: 554	1: 647	1: 774	1: 946	1: 1465	1: 1832	1: 2310	1: 3042
BURGUNDY	1: 34	1: 67	1: 97	1: 111	1: 207	1: 304	1: 347	1: 461	1: 495	1: 575	1: 690	1: 845	1: 1244	1: 1670	1: 1975	1: 2469
LIME	1: 28	1: 57	1: 81	1: 100	1: 183	1: 270	1: 307	1: 414	1: 447	1: 518	1: 622	1: 764	1: 988	1: 1262	1: 1481	1: 1958
TAN	1: 28	1: 57	1: 81	1: 100	1: 183	1: 270	1: 307	1: 414	1: 447	1: 518	1: 622	1: 764	1: 986	1: 1262	1: 1481	1: 1957
ORANGE	1: 23	1: 44	1: 64	1: 78	1: 137	1: 196	1: 215	1: 293	1: 314	1: 365	1: 437	1: 536	1: 751	1: 874	1: 1136	1: 1262
TURQUOISE	1: 17	1: 31	1: 45	1: 55	1: 91	1: 126	1: 134	1: 185	1: 197	1: 230	1: 274	1: 336	1: 561	1: 752	1: 885	1: 1099
PINK	1: 14	1: 24	1: 35	1: 42	1: 68	1: 93	1: 98	1: 130	1: 143	1: 159	1: 188	1: 224	1: 372	1: 473	1: 570	1: 728
LIGHT BLUE	1: 11	1: 17	1: 24	1: 31	1: 47	1: 64	1: 66	1: 93	1: 98	1: 114	1: 136	1: 166	1: 318	1: 406	1: 483	1: 572
BROWN	1: 10	1: 15	1: 22	1: 28	1: 43	1: 58	1: 59	1: 84	1: 88	1: 103	1: 122	1: 150	1: 270	1: 338	1: 408	1: 507
RED		1: 12	1: 17	1: 23	1: 34	1: 45	1: 46	1: 65	1: 69	1: 80	1: 95	1: 116	1: 202	1: 254	1: 306	1: 375
WHITE		1: 12	1: 16	1: 22	1: 31	1: 42	1: 43	1: 61	1: 64	1: 74	1: 88	1: 108	1: 180	1: 226	1: 272	1: 343
GREEN		1: 11	1: 14	1: 20	1: 28	1: 37	1: 38	1: 53	1: 55	1: 65	1: 76	1: 94	1: 160	1: 201	1: 241	1: 300
BLUE		1: 10	1: 12	1: 17	1: 23	1: 30	1: 31	1: 44	1: 46	1: 53	1: 63	1: 77	1: 122	1: 152	1: 185	1: 224
YELLOW			1: 9	1: 12	1: 16	1: 20	1: 22	1: 30	1: 31	1: 36	1: 42	1: 52	1: 80	1: 100	1: 120	1: 148
BLACK				1: 10	1: 13	1: 16	1: 17	1: 23	1: 24	1: 28	1: 33	1: 40	1: 61	1: 77	1: 92	1: 115
PURPLE				1: 6.6	1: 8.3	1: 9	1: 10	1: 13	1: 13	1: 15	1: 17	1: 21	1: 31	1: 39	1: 46	1: 57
GRAY				1: 5.3	1: 6.7	1: 6.9	1: 7.6	1: 9.9	1: 10	1: 11.6	1: 13	1: 16	1: 24	1: 30	1: 35	1: 44
OPEN				1: 4.9	1: 5.3	1: 5.2	1: 6.0	1: 6.1	1: 6.1	1: 7.6	1: 8.3	1: 10	1: 12	1: 15	1: 18	1: 23

**NOTE:** Dilution ratios given are based on drawing water through the metering tips and are meant as a starting point for system configuration. Results are expected to vary when drawing chemicals due to differences in viscosity and temperature. There may be slight variations of performance in injectors and metering tips that are unavoidable due to manufacture tolerances. Using the same tip color from site to site is a good starting point. However with the potential for variation from part to part it is reasonable to still need to do some adjustments from there.