

Kidde Fire Systems Component Description



Nozzle Part Number List for use with ECS-500™ Systems and ECS™ Systems

Effective: April 2023
K-45-2165 Rev AB

FEATURES

- UL Listed, ULC Listed, and FM Approved for use with the systems listed in the Table , “Compatibility,” on page 14.
- Nozzles can be mounted upright or pendent.

This datasheet lists the UL and ULC listed and FM Approved Nozzle part numbers for Kidde Fire Systems ECS-500™ psi Fire Suppression System (ECS-500 System) and Kidde Fire Systems ECS™ Fire Suppression System with Fluoroketone Fire Suppression Agents (ECS System). Nozzles are made of either brass or stainless steel. Please ensure to order the correct nozzles

- *UL and ULC Listed, and FM Approved 360 Degree NPT Brass Nozzles on page 2.*
- *UL and ULC Listed, and FM Approved 180 Degree NPT Brass Nozzles on page 5.*
- *UL and ULC Listed, and FM Approved 360 Degree NPT Stainless Steel Nozzles on page 8.*
- *UL and ULC Listed, and FM Approved 180 Degree NPT Stainless Steel Nozzles on page 11.*



Kidde Fire Systems requires that only listed ECS™ System and ECS-500™ System Nozzles are to be used on Kidde Fire Systems ECS Fire Suppression Systems with Fluoroketone Fire Suppression Agents and Kidde Fire Systems ECS-500 psi Fire Suppression Systems. Failure to comply with this WARNING can result in unpredictable agent distribution.



Modification of the nozzle orifices in any manner voids the agency listings.



Figure 1. Example of 360° Nozzle

UL and ULC Listed, and FM Approved 360 Degree NPT Brass Nozzles

Area	1/4 in (6 mm)*	3/8 in (10 mm)	1/2 in (13 mm)	3/4 in (18 mm)	1 in (25 mm)	1-1/4 in (32 mm)	1-1/2 in (38 mm)	2 in (51 mm)
0.0223	45-194721-100							
0.0246	45-194721-101							
0.0254	45-194721-102							
0.0283	45-194721-103							
0.0308	45-194721-104							
0.0335	45-194721-105							
0.0363	45-194721-106							
0.0384	45-194721-107	45-194722-107						
0.0388	45-194721-108	45-194722-108						
0.0413	45-194721-109	45-194722-109						
0.0423	45-194721-110	45-194722-110						
0.0465	45-194721-111	45-194722-111						
0.0498	45-194721-112	45-194722-112						
0.055	45-194721-113	45-194722-113						
0.0553	45-194721-114	45-194722-114						
0.058	45-194721-115	45-194722-115						
0.0604	45-194721-116	45-194722-116						
0.0623	45-194721-117	45-194722-117	45-194723-117					
0.0648	45-194721-118	45-194722-118	45-194723-118					
0.068	45-194721-119	45-194722-119	45-194723-119					
0.0713	45-194721-120	45-194722-120	45-194723-120					
0.0752	45-194721-121	45-194722-121	45-194723-121					
0.0761	45-194721-122	45-194722-122	45-194723-122					
0.0775	45-194721-123	45-194722-123	45-194723-123					
0.0803		45-194722-124	45-194723-124					
0.0846		45-194722-125	45-194723-125					
0.0905		45-194722-126	45-194723-126					
0.0982		45-194722-127	45-194723-127					
0.1038		45-194722-128	45-194723-128					
0.1163		45-194722-129	45-194723-129	45-194724-129				
0.1241		45-194722-130	45-194723-130	45-194724-130				
0.1243		45-194722-131	45-194723-131	45-194724-131				
0.1303		45-194722-132	45-194723-132	45-194724-132				
0.1358		45-194722-133	45-194723-133	45-194724-133				
0.1405		45-194722-134	45-194723-134	45-194724-134				
0.1452		45-194722-135	45-194723-135	45-194724-135				
0.1491		45-194722-136	45-194723-136	45-194724-136				
0.1534		45-194722-137	45-194723-137	45-194724-137				
0.1549		45-194722-138	45-194723-138	45-194724-138				

*Note: 1/4" NPT Nozzle is not UL and ULC Listed.

UL and ULC Listed, and FM Approved 360 Degree NPT Brass Nozzles (Continued)

Area	1/4 in (6 mm)*	3/8 in (10 mm)	1/2 in (13 mm)	3/4 in (18 mm)	1 in (25 mm)	1-1/4 in (32 mm)	1-1/2 in (38 mm)	2 in (51 mm)
0.1589		45-194722-139	45-194723-139	45-194724-139				
0.1629		45-194722-140	45-194723-140	45-194724-140				
0.1732			45-194723-141	45-194724-141	45-194725-141			
0.1806			45-194723-142	45-194724-142	45-194725-142			
0.1857			45-194723-143	45-194724-143	45-194725-143			
0.1881			45-194723-144	45-194724-144	45-194725-144			
0.1969			45-194723-145	45-194724-145	45-194725-145			
0.2036			45-194723-146	45-194724-146	45-194725-146			
0.2082			45-194723-147	45-194724-147	45-194725-147			
0.2151			45-194723-148	45-194724-148	45-194725-148			
0.2209			45-194723-149	45-194724-149	45-194725-149			
0.2245			45-194723-150	45-194724-150	45-194725-150			
0.2293			45-194723-151	45-194724-151	45-194725-151			
0.2353			45-194723-152	45-194724-152	45-194725-152			
0.2414			45-194723-153	45-194724-153	45-194725-153			
0.2489			45-194723-154	45-194724-154	45-194725-154			
0.2539			45-194723-155	45-194724-155	45-194725-155			
0.2592			45-194723-156	45-194724-156	45-194725-156			
0.2615				45-194724-157	45-194725-157			
0.2654				45-194724-158	45-194725-158			
0.2745				45-194724-159	45-194725-159			
0.2851				45-194724-160	45-194725-160			
0.3008				45-194724-161	45-194725-161	45-194726-161		
0.3069				45-194724-162	45-194725-162	45-194726-162		
0.3267				45-194724-163	45-194725-163	45-194726-163		
0.3441				45-194724-164	45-194725-164	45-194726-164		
0.3453				45-194724-165	45-194725-165	45-194726-165		
0.356				45-194724-166	45-194725-166	45-194726-166		
0.368				45-194724-167	45-194725-167	45-194726-167		
0.3803				45-194724-168	45-194725-168	45-194726-168		
0.3927				45-194724-169	45-194725-169	45-194726-169		
0.415				45-194724-170	45-194725-170	45-194726-170	45-194727-170	
0.4281				45-194724-171	45-194725-171	45-194726-171	45-194727-171	
0.4433				45-194724-172	45-194725-172	45-194726-172	45-194727-172	
0.4446				45-194724-173	45-194725-173	45-194726-173	45-194727-173	
0.4649					45-194725-174	45-194726-174	45-194727-174	
0.4822					45-194725-175	45-194726-175	45-194727-175	
0.4962					45-194725-176	45-194726-176	45-194727-176	
0.4969					45-194725-177	45-194726-177	45-194727-177	

***Note:** 1/4" NPT Nozzle is not UL and ULC Listed.

UL and ULC Listed, and FM Approved 360 Degree NPT Brass Nozzles (Continued)

Area	1/4 in (6 mm)*	3/8 in (10 mm)	1/2 in (13 mm)	3/4 in (18 mm)	1 in (25 mm)	1-1/4 in (32 mm)	1-1/2 in (38 mm)	2 in (51 mm)
0.5285					45-194725-178	45-194726-178	45-194727-178	
0.5468					45-194725-179	45-194726-179	45-194727-179	
0.5539					45-194725-180	45-194726-180	45-194727-180	
0.5731					45-194725-181	45-194726-181	45-194727-181	
0.6136					45-194725-182	45-194726-182	45-194727-182	
0.6275					45-194725-183	45-194726-183	45-194727-183	
0.6556					45-194725-184	45-194726-184	45-194727-184	
0.6764					45-194725-185	45-194726-185	45-194727-185	45-194728-185
0.6926					45-194725-186	45-194726-186	45-194727-186	45-194728-186
0.7221					45-194725-187	45-194726-187	45-194727-187	45-194728-187
0.7427						45-194726-188	45-194727-188	45-194728-188
0.761						45-194726-189	45-194727-189	45-194728-189
0.8053						45-194726-190	45-194727-190	45-194728-190
0.8116						45-194726-191	45-194727-191	45-194728-191
0.8509						45-194726-192	45-194727-192	45-194728-192
0.8836						45-194726-193	45-194727-193	45-194728-193
0.8931						45-194726-194	45-194727-194	45-194728-194
0.9362						45-194726-195	45-194727-195	45-194728-195
0.9587						45-194726-196	45-194727-196	45-194728-196
0.9903						45-194726-197	45-194727-197	45-194728-197
1.0256						45-194726-198	45-194727-198	45-194728-198
1.0368						45-194726-199	45-194727-199	45-194728-199
1.0718						45-194726-200	45-194727-200	45-194728-200
1.1185						45-194726-201	45-194727-201	45-194728-201
1.2027						45-194726-202	45-194727-202	45-194728-202
1.29							45-194727-203	45-194728-203
1.3809							45-194727-204	45-194728-204
1.4744							45-194727-205	45-194728-205
1.5708							45-194727-206	45-194728-206
1.6704							45-194727-207	45-194728-207
1.773								45-194728-208
1.8794								45-194728-209
1.9881								45-194728-210
2.0999								45-194728-211
2.2155								45-194728-212
2.3334								45-194728-213
2.4544								45-194728-214
2.5785								45-194728-215
2.7056								45-194728-216
2.8366								45-194728-217

*Note: 1/4" NPT Nozzle is not UL and ULC Listed.

UL and ULC Listed, and FM Approved 180 Degree NPT Brass Nozzles

Area	1/4 in (6 mm)*	3/8 in (10 mm)	1/2 in (13 mm)	3/4 in (18 mm)	1 in (25 mm)	1-1/4 in (32 mm)	1-1/2 in (38 mm)	2 in (51 mm)
0.0223	45-194711-100							
0.0246	45-194711-101							
0.0254	45-194711-102							
0.0283	45-194711-103							
0.0308	45-194711-104							
0.0335	45-194711-105							
0.0363	45-194711-106							
0.0384	45-194711-107	45-194712-107						
0.0388	45-194711-108	45-194712-108						
0.0413	45-194711-109	45-194712-109						
0.0423	45-194711-110	45-194712-110						
0.0465		45-194712-111						
0.0498		45-194712-112						
0.055		45-194712-113						
0.0553		45-194712-114						
0.058		45-194712-115						
0.0604		45-194712-116						
0.0623		45-194712-117	45-194713-117					
0.0648		45-194712-118	45-194713-118					
0.068		45-194712-119	45-194713-119					
0.0713		45-194712-120	45-194713-120					
0.0752		45-194712-121	45-194713-121					
0.0761		45-194712-122	45-194713-122					
0.0775		45-194712-123	45-194713-123					
0.0803		45-194712-124	45-194713-124					
0.0846		45-194712-125	45-194713-125					
0.0905		45-194712-126	45-194713-126					
0.0982		45-194712-127	45-194713-127					
0.1038		45-194712-128	45-194713-128					
0.1163		45-194712-129	45-194713-129	45-194714-129				
0.1241			45-194713-130	45-194714-130				
0.1243			45-194713-131	45-194714-131				
0.1303			45-194713-132	45-194714-132				
0.1358			45-194713-133	45-194714-133				
0.1405			45-194713-134	45-194714-134				
0.1452			45-194713-135	45-194714-135				
0.1491			45-194713-136	45-194714-136				
0.1534			45-194713-137	45-194714-137				
0.1549			45-194713-138	45-194714-138				

***Note:** 1/4" NPT Nozzle is not UL and ULC Listed.

UL and ULC Listed, and FM Approved 180 Degree NPT Brass Nozzles (Continued)

Area	1/4 in (6 mm)*	3/8 in (10 mm)	1/2 in (13 mm)	3/4 in (18 mm)	1 in (25 mm)	1-1/4 in (32 mm)	1-1/2 in (38 mm)	2 in (51 mm)
0.1589			45-194713-139	45-194714-139				
0.1629			45-194713-140	45-194714-140				
0.1732			45-194713-141	45-194714-141	45-194715-141			
0.1806			45-194713-142	45-194714-142	45-194715-142			
0.1857			45-194713-143	45-194714-143	45-194715-143			
0.1881			45-194713-144	45-194714-144	45-194715-144			
0.1969			45-194713-145	45-194714-145	45-194715-145			
0.2036			45-194713-146	45-194714-146	45-194715-146			
0.2082			45-194713-147	45-194714-147	45-194715-147			
0.2151				45-194714-148	45-194715-148			
0.2209				45-194714-149	45-194715-149			
0.2245				45-194714-150	45-194715-150			
0.2293				45-194714-151	45-194715-151			
0.2353				45-194714-152	45-194715-152			
0.2414				45-194714-153	45-194715-153			
0.2489				45-194714-154	45-194715-154			
0.2539				45-194714-155	45-194715-155			
0.2592				45-194714-156	45-194715-156			
0.2615				45-194714-157	45-194715-157			
0.2654				45-194714-158	45-194715-158			
0.2745				45-194714-159	45-194715-159			
0.2851				45-194714-160	45-194715-160			
0.3008				45-194714-161	45-194715-161	45-194716-161		
0.3069				45-194714-162	45-194715-162	45-194716-162		
0.3267				45-194714-163	45-194715-163	45-194716-163		
0.3441				45-194714-164	45-194715-164	45-194716-164		
0.3453				45-194714-165	45-194715-165	45-194716-165		
0.356				45-194714-166	45-194715-166	45-194716-166		
0.368				45-194714-167	45-194715-167	45-194716-167		
0.3803				45-194714-168	45-194715-168	45-194716-168		
0.3927				45-194714-169	45-194715-169	45-194716-169		
0.415				45-194714-170	45-194715-170	45-194716-170	45-194717-170	
0.4281					45-194715-171	45-194716-171	45-194717-171	
0.4433					45-194715-172	45-194716-172	45-194717-172	
0.4446					45-194715-173	45-194716-173	45-194717-173	
0.4649					45-194715-174	45-194716-174	45-194717-174	
0.4822					45-194715-175	45-194716-175	45-194717-175	
0.4962					45-194715-176	45-194716-176	45-194717-176	
0.4969					45-194715-177	45-194716-177	45-194717-177	

***Note:** 1/4" NPT Nozzle is not UL and ULC Listed.

UL and ULC Listed, and FM Approved 180 Degree NPT Brass Nozzles (Continued)

Area	1/4 in (6 mm)*	3/8 in (10 mm)	1/2 in (13 mm)	3/4 in (18 mm)	1 in (25 mm)	1-1/4 in (32 mm)	1-1/2 in (38 mm)	2 in (51 mm)
0.5285					45-194715-178	45-194716-178	45-194717-178	
0.5468					45-194715-179	45-194716-179	45-194717-179	
0.5539					45-194715-180	45-194716-180	45-194717-180	
0.5731					45-194715-181	45-194716-181	45-194717-181	
0.6136					45-194715-182	45-194716-182	45-194717-182	
0.6275					45-194715-183	45-194716-183	45-194717-183	
0.6556					45-194715-184	45-194716-184	45-194717-184	
0.6764					45-194715-185	45-194716-185	45-194717-185	45-194718-185
0.6926					45-194715-186	45-194716-186	45-194717-186	45-194718-186
0.7221					45-194715-187	45-194716-187	45-194717-187	45-194718-187
0.7427						45-194716-188	45-194717-188	45-194718-188
0.761						45-194716-189	45-194717-189	45-194718-189
0.8053						45-194716-190	45-194717-190	45-194718-190
0.8116						45-194716-191	45-194717-191	45-194718-191
0.8509						45-194716-192	45-194717-192	45-194718-192
0.8836						45-194716-193	45-194717-193	45-194718-193
0.8931						45-194716-194	45-194717-194	45-194718-194
0.9362						45-194716-195	45-194717-195	45-194718-195
0.9587						45-194716-196	45-194717-196	45-194718-196
0.9903						45-194716-197	45-194717-197	45-194718-197
1.0256						45-194716-198	45-194717-198	45-194718-198
1.0368						45-194716-199	45-194717-199	45-194718-199
1.0718						45-194716-200	45-194717-200	45-194718-200
1.1185						45-194716-201	45-194717-201	45-194718-201
1.2027						45-194716-202	45-194717-202	45-194718-202
1.29							45-194717-203	45-194718-203
1.3809							45-194717-204	45-194718-204
1.4744							45-194717-205	45-194718-205
1.5708							45-194717-206	45-194718-206
1.6704							45-194717-207	45-194718-207
1.773								45-194718-208
1.8794								45-194718-209
1.9881								45-194718-210
2.0999								45-194718-211
2.2155								45-194718-212
2.3334								45-194718-213
2.4544								45-194718-214
2.5785								45-194718-215
2.7056								45-194718-216
2.8366								45-194718-217

***Note:** 1/4" NPT Nozzle is not UL and ULC Listed.

UL and ULC Listed, and FM Approved 360 Degree NPT Stainless Steel Nozzles

Area	1/4 in (6 mm)*	3/8 in (10 mm)	1/2 in (13 mm)	3/4 in (18 mm)	1 in (25 mm)	1-1/4 in (32 mm)	1-1/2 in (38 mm)	2 in (51 mm)
0.0223	45-194621-100							
0.0246	45-194621-101							
0.0254	45-194621-102							
0.0283	45-194621-103							
0.0308	45-194621-104							
0.0335	45-194621-105							
0.0363	45-194621-106							
0.0384	45-194621-107	45-194622-107						
0.0388	45-194621-108	45-194622-108						
0.0413	45-194621-109	45-194622-109						
0.0423	45-194621-110	45-194622-110						
0.0465	45-194621-111	45-194622-111						
0.0498	45-194621-112	45-194622-112						
0.055	45-194621-113	45-194622-113						
0.0553	45-194621-114	45-194622-114						
0.058	45-194621-115	45-194622-115						
0.0604	45-194621-116	45-194622-116						
0.0623	45-194621-117	45-194622-117	45-194623-117					
0.0648	45-194621-118	45-194622-118	45-194623-118					
0.068	45-194621-119	45-194622-119	45-194623-119					
0.0713	45-194621-120	45-194622-120	45-194623-120					
0.0752	45-194621-121	45-194622-121	45-194623-121					
0.0761	45-194621-122	45-194622-122	45-194623-122					
0.0775	45-194621-123	45-194622-123	45-194623-123					
0.0803		45-194622-124	45-194623-124					
0.0846		45-194622-125	45-194623-125					
0.0905		45-194622-126	45-194623-126					
0.0982		45-194622-127	45-194623-127					
0.1038		45-194622-128	45-194623-128					
0.1163		45-194622-129	45-194623-129	45-194624-129				
0.1241		45-194622-130	45-194623-130	45-194624-130				
0.1243		45-194622-131	45-194623-131	45-194624-131				
0.1303		45-194622-132	45-194623-132	45-194624-132				
0.1358		45-194622-133	45-194623-133	45-194624-133				
0.1405		45-194622-134	45-194623-134	45-194624-134				
0.1452		45-194622-135	45-194623-135	45-194624-135				
0.1491		45-194622-136	45-194623-136	45-194624-136				
0.1534		45-194622-137	45-194623-137	45-194624-137				
0.1549		45-194622-138	45-194623-138	45-194624-138				

*Note: 1/4" NPT Nozzle is not UL and ULC Listed.

UL and ULC Listed, and FM Approved 360 Degree NPT Stainless Steel Nozzles (Continued)

Area	1/4 in (6 mm)*	3/8 in (10 mm)	1/2 in (13 mm)	3/4 in (18 mm)	1 in (25 mm)	1-1/4 in (32 mm)	1-1/2 in (38 mm)	2 in (51 mm)
0.1589		45-194622-139	45-194623-139	45-194624-139				
0.1629		45-194622-140	45-194623-140	45-194624-140				
0.1732			45-194623-141	45-194624-141	45-194625-141			
0.1806			45-194623-142	45-194624-142	45-194625-142			
0.1857			45-194623-143	45-194624-143	45-194625-143			
0.1881			45-194623-144	45-194624-144	45-194625-144			
0.1969			45-194623-145	45-194624-145	45-194625-145			
0.2036			45-194623-146	45-194624-146	45-194625-146			
0.2082			45-194623-147	45-194624-147	45-194625-147			
0.2151			45-194623-148	45-194624-148	45-194625-148			
0.2209			45-194623-149	45-194624-149	45-194625-149			
0.2245			45-194623-150	45-194624-150	45-194625-150			
0.2293			45-194623-151	45-194624-151	45-194625-151			
0.2353			45-194623-152	45-194624-152	45-194625-152			
0.2414			45-194623-153	45-194624-153	45-194625-153			
0.2489			45-194623-154	45-194624-154	45-194625-154			
0.2539			45-194623-155	45-194624-155	45-194625-155			
0.2592			45-194623-156	45-194624-156	45-194625-156			
0.2615				45-194624-157	45-194625-157			
0.2654				45-194624-158	45-194625-158			
0.2745				45-194624-159	45-194625-159			
0.2851				45-194624-160	45-194625-160			
0.3008				45-194624-161	45-194625-161	45-194626-161		
0.3069				45-194624-162	45-194625-162	45-194626-162		
0.3267				45-194624-163	45-194625-163	45-194626-163		
0.3441				45-194624-164	45-194625-164	45-194626-164		
0.3453				45-194624-165	45-194625-165	45-194626-165		
0.356				45-194624-166	45-194625-166	45-194626-166		
0.368				45-194624-167	45-194625-167	45-194626-167		
0.3803				45-194624-168	45-194625-168	45-194626-168		
0.3927				45-194624-169	45-194625-169	45-194626-169		
0.415				45-194624-170	45-194625-170	45-194626-170	45-194627-170	
0.4281				45-194624-171	45-194625-171	45-194626-171	45-194627-171	
0.4433				45-194624-172	45-194625-172	45-194626-172	45-194627-172	
0.4446				45-194624-173	45-194625-173	45-194626-173	45-194627-173	
0.4649					45-194625-174	45-194626-174	45-194627-174	
0.4822					45-194625-175	45-194626-175	45-194627-175	
0.4962					45-194625-176	45-194626-176	45-194627-176	
0.4969					45-194625-177	45-194626-177	45-194627-177	

***Note:** 1/4" NPT Nozzle is not UL and ULC Listed.

UL and ULC Listed, and FM Approved 360 Degree NPT Stainless Steel Nozzles (Continued)

Area	1/4 in (6 mm)*	3/8 in (10 mm)	1/2 in (13 mm)	3/4 in (18 mm)	1 in (25 mm)	1-1/4 in (32 mm)	1-1/2 in (38 mm)	2 in (51 mm)
0.5285					45-194625-178	45-194626-178	45-194627-178	
0.5468					45-194625-179	45-194626-179	45-194627-179	
0.5539					45-194625-180	45-194626-180	45-194627-180	
0.5731					45-194625-181	45-194626-181	45-194627-181	
0.6136					45-194625-182	45-194626-182	45-194627-182	
0.6275					45-194625-183	45-194626-183	45-194627-183	
0.6556					45-194625-184	45-194626-184	45-194627-184	
0.6764					45-194625-185	45-194626-185	45-194627-185	45-194628-185
0.6926					45-194625-186	45-194626-186	45-194627-186	45-194628-186
0.7221					45-194625-187	45-194626-187	45-194627-187	45-194628-187
0.7427						45-194626-188	45-194627-188	45-194628-188
0.761						45-194626-189	45-194627-189	45-194628-189
0.8053						45-194626-190	45-194627-190	45-194628-190
0.8116						45-194626-191	45-194627-191	45-194628-191
0.8509						45-194626-192	45-194627-192	45-194628-192
0.8836						45-194626-193	45-194627-193	45-194628-193
0.8931						45-194626-194	45-194627-194	45-194628-194
0.9362						45-194626-195	45-194627-195	45-194628-195
0.9587						45-194626-196	45-194627-196	45-194628-196
0.9903						45-194626-197	45-194627-197	45-194628-197
1.0256						45-194626-198	45-194627-198	45-194628-198
1.0368						45-194626-199	45-194627-199	45-194628-199
1.0718						45-194626-200	45-194627-200	45-194628-200
1.1185						45-194626-201	45-194627-201	45-194628-201
1.2027						45-194626-202	45-194627-202	45-194628-202
1.29							45-194627-203	45-194628-203
1.3809							45-194627-204	45-194628-204
1.4744							45-194627-205	45-194628-205
1.5708							45-194627-206	45-194628-206
1.6704							45-194627-207	45-194628-207
1.773								45-194628-208
1.8794								45-194628-209
1.9881								45-194628-210
2.0999								45-194628-211
2.2155								45-194628-212
2.3334								45-194628-213
2.4544								45-194628-214
2.5785								45-194628-215
2.7056								45-194628-216
2.8366								45-194628-217

***Note:** 1/4" NPT Nozzle is not UL and ULC Listed.

UL and ULC Listed, and FM Approved 180 Degree NPT Stainless Steel Nozzles

Area	1/4 in (6 mm)*	3/8 in (10 mm)	1/2 in (13 mm)	3/4 in (18 mm)	1 in (25 mm)	1-1/4 in (32 mm)	1-1/2 in (38 mm)	2 in (51 mm)
0.0223	45-194611-100							
0.0246	45-194611-101							
0.0254	45-194611-102							
0.0283	45-194611-103							
0.0308	45-194611-104							
0.0335	45-194611-105							
0.0363	45-194611-106							
0.0384	45-194611-107	45-194612-107						
0.0388	45-194611-108	45-194612-108						
0.0413	45-194611-109	45-194612-109						
0.0423	45-194611-110	45-194612-110						
0.0465		45-194612-111						
0.0498		45-194612-112						
0.055		45-194612-113						
0.0553		45-194612-114						
0.058		45-194612-115						
0.0604		45-194612-116						
0.0623		45-194612-117	45-194613-117					
0.0648		45-194612-118	45-194613-118					
0.068		45-194612-119	45-194613-119					
0.0713		45-194612-120	45-194613-120					
0.0752		45-194612-121	45-194613-121					
0.0761		45-194612-122	45-194613-122					
0.0775		45-194612-123	45-194613-123					
0.0803		45-194612-124	45-194613-124					
0.0846		45-194612-125	45-194613-125					
0.0905		45-194612-126	45-194613-126					
0.0982		45-194612-127	45-194613-127					
0.1038		45-194612-128	45-194613-128					
0.1163		45-194612-129	45-194613-129	45-194614-129				
0.1241			45-194613-130	45-194614-130				
0.1243			45-194613-131	45-194614-131				
0.1303			45-194613-132	45-194614-132				
0.1358			45-194613-133	45-194614-133				
0.1405			45-194613-134	45-194614-134				
0.1452			45-194613-135	45-194614-135				
0.1491			45-194613-136	45-194614-136				
0.1534			45-194613-137	45-194614-137				
0.1549			45-194613-138	45-194614-138				

***Note:** 1/4" NPT Nozzle is not UL and ULC Listed.

UL and ULC Listed, and FM Approved 180 Degree NPT Stainless Steel Nozzles (Continued)

Area	1/4 in (6 mm)*	3/8 in (10 mm)	1/2 in (13 mm)	3/4 in (18 mm)	1 in (25 mm)	1-1/4 in (32 mm)	1-1/2 in (38 mm)	2 in (51 mm)
0.1589			45-194613-139	45-194614-139				
0.1629			45-194613-140	45-194614-140				
0.1732			45-194613-141	45-194614-141	45-194615-141			
0.1806			45-194613-142	45-194614-142	45-194615-142			
0.1857			45-194613-143	45-194614-143	45-194615-143			
0.1881			45-194613-144	45-194614-144	45-194615-144			
0.1969			45-194613-145	45-194614-145	45-194615-145			
0.2036			45-194613-146	45-194614-146	45-194615-146			
0.2082			45-194613-147	45-194614-147	45-194615-147			
0.2151				45-194614-148	45-194615-148			
0.2209				45-194614-149	45-194615-149			
0.2245				45-194614-150	45-194615-150			
0.2293				45-194614-151	45-194615-151			
0.2353				45-194614-152	45-194615-152			
0.2414				45-194614-153	45-194615-153			
0.2489				45-194614-154	45-194615-154			
0.2539				45-194614-155	45-194615-155			
0.2592				45-194614-156	45-194615-156			
0.2615				45-194614-157	45-194615-157			
0.2654				45-194614-158	45-194615-158			
0.2745				45-194614-159	45-194615-159			
0.2851				45-194614-160	45-194615-160			
0.3008				45-194614-161	45-194615-161	45-194616-161		
0.3069				45-194614-162	45-194615-162	45-194616-162		
0.3267				45-194614-163	45-194615-163	45-194616-163		
0.3441				45-194614-164	45-194615-164	45-194616-164		
0.3453				45-194614-165	45-194615-165	45-194616-165		
0.356				45-194614-166	45-194615-166	45-194616-166		
0.368				45-194614-167	45-194615-167	45-194616-167		
0.3803				45-194614-168	45-194615-168	45-194616-168		
0.3927				45-194614-169	45-194615-169	45-194616-169		
0.415				45-194614-170	45-194615-170	45-194616-170	45-194617-170	
0.4281					45-194615-171	45-194616-171	45-194617-171	
0.4433					45-194615-172	45-194616-172	45-194617-172	
0.4446					45-194615-173	45-194616-173	45-194617-173	
0.4649					45-194615-174	45-194616-174	45-194617-174	
0.4822					45-194615-175	45-194616-175	45-194617-175	
0.4962					45-194615-176	45-194616-176	45-194617-176	
0.4969					45-194615-177	45-194616-177	45-194617-177	

***Note:** 1/4" NPT Nozzle is not UL and ULC Listed.

UL and ULC Listed, and FM Approved 180 Degree NPT Stainless Steel Nozzles (Continued)

Area	1/4 in (6 mm)*	3/8 in (10 mm)	1/2 in (13 mm)	3/4 in (18 mm)	1 in (25 mm)	1-1/4 in (32 mm)	1-1/2 in (38 mm)	2 in (51 mm)
0.5285					45-194615-178	45-194616-178	45-194617-178	
0.5468					45-194615-179	45-194616-179	45-194617-179	
0.5539					45-194615-180	45-194616-180	45-194617-180	
0.5731					45-194615-181	45-194616-181	45-194617-181	
0.6136					45-194615-182	45-194616-182	45-194617-182	
0.6275					45-194615-183	45-194616-183	45-194617-183	
0.6556					45-194615-184	45-194616-184	45-194617-184	
0.6764					45-194615-185	45-194616-185	45-194617-185	45-194618-185
0.6926					45-194615-186	45-194616-186	45-194617-186	45-194618-186
0.7221					45-194615-187	45-194616-187	45-194617-187	45-194618-187
0.7427						45-194616-188	45-194617-188	45-194618-188
0.761						45-194616-189	45-194617-189	45-194618-189
0.8053						45-194616-190	45-194617-190	45-194618-190
0.8116						45-194616-191	45-194617-191	45-194618-191
0.8509						45-194616-192	45-194617-192	45-194618-192
0.8836						45-194616-193	45-194617-193	45-194618-193
0.8931						45-194616-194	45-194617-194	45-194618-194
0.9362						45-194616-195	45-194617-195	45-194618-195
0.9587						45-194616-196	45-194617-196	45-194618-196
0.9903						45-194616-197	45-194617-197	45-194618-197
1.0256						45-194616-198	45-194617-198	45-194618-198
1.0368						45-194616-199	45-194617-199	45-194618-199
1.0718						45-194616-200	45-194617-200	45-194618-200
1.1185						45-194616-201	45-194617-201	45-194618-201
1.2027						45-194616-202	45-194617-202	45-194618-202
1.29							45-194617-203	45-194618-203
1.3809							45-194617-204	45-194618-204
1.4744							45-194617-205	45-194618-205
1.5708							45-194617-206	45-194618-206
1.6704							45-194617-207	45-194618-207
1.773								45-194618-208
1.8794								45-194618-209
1.9881								45-194618-210
2.0999								45-194618-211
2.2155								45-194618-212
2.3334								45-194618-213
2.4544								45-194618-214
2.5785								45-194618-215
2.7056								45-194618-216
2.8366								45-194618-217

***Note:** 1/4" NPT Nozzle is not UL and ULC Listed.

Material:

- P/N: 45-1947XX-XXX Brass (360°)
- P/N: 45-1947XX-XXX Brass (180°)
- P/N: 45-1946XX-XXX Stainless Steel (360°)
- P/N: 45-1946XX-XXX Stainless Steel (180°)

Compatibility

Series	DIOM P/N	Approvals
ECS-500™ System	06-237585-001	UL, ULC, FM
ECS-500™ Marine System	06-237589-001	UL, ULC, USCG, ABS
ECS™ with Fluoroketone Fire Suppression Agents	06-236553-001	UL, ULC, FM
ECS™ Marine with Fluoroketone Fire Suppression Agents	06-236559-001	UL, USCG, ABS

EXPORT INFORMATION (USA)

Jurisdiction: EAR

Classification: EAR99

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KIDDE-FENWAL, INC., Ashland, MA 01721 USA, Telephone: (508) 881-2000.