Z 20-3e

01.09.2016

DK1 7027856	Working pressure (MPa)	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300
	Working pressure (PSI)	7252	8702	10153	11603	13053	14504	15954	17405	18855	20305	21756	23206	24656	26107	27557	29008	30458	31908	33359	34809	36259	37710	39160	40611	42061	43511
Nozzle-ø Inner circle 1 (mm)																											
	Nozzle-ø Outer circle 2 (mm)	0.85	0.8	0.75	0.7	0.65	0.65	0.6	0.55	0.55	0.55	0.55	0.55	0.5	0.5	0.5	0.5	0.45	0.45	0.45	0.45	0.45	0.45	0.4	0.4	0.4	0.4
	Flow rate (l/min)	23.3	22.6	21.4	20	18.3	19.2	17.2	15.1	15.7	16.2	16.8	17.4	14.8	15.3	15.7	16.1	13.4	13.7	14	14.3	14.6	14.9	12	12.2	12.4	12.6
	Flow rate (GPM)	6.15	5.96	5.65	5.28	4.83	5.07	4.54	3.98	4.14	4.27	4.43	4.59	3.91	4.04	4.14	4.25	3.54	3.61	3.69	3.77	3.85	3.93	3.17	3.22	3.27	3.32
	Recoil force (N)	118	126	130	130	125	139	130	120	129	139	149	158	140	148	156	164	140	146	153	160	166	173	142	147	152	157
Plug	Recoil force (lbf)	27	28	29	29	28	31	29	27	29	31	33	36	31	33	35	37	31	33	34	36	37	39	32	33	34	35
	Nozzle-ø Outer circle 2 (mm)	0.9	0.8	0.75	0.7	0.65	0.65	0.6	0.6	0.55	0.55	0.55	0.55	0.55	0.5	0.5	0.5	0.5	0.45	0.45	0.45	0.45	0.45	0.45	0.4	0.4	0.4
	Flow rate (l/min)	27.5	24	23	21.6	20	21.5	19.1	20	17.8	18.5	19.1	19.8	20.3	17.7	18.2	18.7	19.1	16.4	16.8	17.1	17.5	17.8	18.5	15.3	15.5	16
	Flow rate (GPM)	7.26	6.33	6.07	5.70	5.28	5.67	5.04	5.28	4.70	4.88	5.04	5.22	5.36	4.67	4.80	4.93	5.04	4.33	4.43	4.51	4.62	4.70	4.88	4.04	4.09	4.22
	Recoil force (N)	140	134	139	140	137	152	145	158	146	158	169	180	191	172	181	191	200	176	184	192	200	208	224	185	191	200
0.2	Recoil force (lbf)	31	30	31	31	31	34	33	36	33	36	38	40	43	39	41	43	45	40	41	43	45	47	50	42	43	45
	Nozzle-ø Outer circle 2 (mm)	0.9	0.8	0.75	0.7	0.65	0.65	0.6	0.6	0.55	0.55	0.55	0.55	0.55	0.5	0.5	0.5	0.5	0.5	0.45	0.45	0.45	0.45	0.45	0.45	0.4	0.4
	Flow rate (l/min)	28.1	24.8	23.8	22.5	21	22.1	20.2	21.1	19	19.7	20.4	21	21.7	19.1	19.1	20.1	20.6	21.1	18.3	18.7	19.1	19.5	19.8	20.2	17.3	17.6
	Flow rate (GPM)	7.41	6.54	6.28	5.94	5.54	5.83	5.33	5.57	5.01	5.20	5.38	5.54	5.73	5.04	5.04	5.30	5.44	5.57	4.83	4.93	5.04	5.15	5.22	5.33	4.56	4.64
	Recoil force (N)	143	138	144	145	144	160	153	167	156	168	180	192	204	185	196	206	216	227	201	210	219	227	236	245	213	220
0.25	Recoil force (lbf)	32	31	32	33	32	36	34	38	35	38	40	43	46	42	44	46	49	51	45	47	49	51	53	55	48	49
	Nozzle-ø Outer circle 2 (mm)	0.9	0.8	0.75	0.7	0.65	0.65	0.6	0.6	0.55	0.55	0.55	0.55	0.55	0.55	0.5	0.5	0.5	0.5		0.45	0.45	0.45				
	Flow rate (l/min)	29	25.8	24.9	23.6	22.1	23.3	21.5	22.4	20.4	21.1	21.9	22.6	23.3	24	21.3	22	22.4	23		20.6	21.1	21.5				
	Flow rate (GPM)	7.65	6.81	6.57	6.23	5.83	6.15	5.67	5.91	5.38	5.57	5.78	5.96	6.15	6.33	5.62	5.80	5.91	6.07		5.44	5.57	5.67				
	Recoil force (N)	148	144	150	153	152	169	163	178	168	181	194	207	220	233	213	225	236	247		232	242	250				
0.3	Recoil force (lbf)	33	32	34	34	34	38	37	40	38	41	44	47	49	52	48	51	53	56		52	54	56				
	Nozzle-ø Outer circle 2 (mm)	0.9	0.85	0.75	0.7	0.7	0.65	0.6	0.6	0.55	0.55	0.55	0.55	0.55		0.5	0.5										
	Flow rate (l/min)	30	29.8	26.1	25	26.5	24.8	23	24.1	22.1	23	23.7	24.5	25.2		23.4	24										
	Flow rate (GPM)	7.92	7.86	6.89	6.60	6.99	6.54	6.07	6.36	5.83	6.07	6.25	6.46	6.65		6.17	6.33										
	Recoil force (N)	153	168	158	162	182	180	175	191	183	197	211	225	239		234	246										
0.35	Recoil force (lbf)	34	38	36	36	41	40	39	43	41	44	47	51	54		53	55										
	Nozzle-ø Outer circle 2 (mm)	0.9	0.8	0.75	0.75	0.7	0.65	0.6	0.6	0.6	0.55	0.55	0.55														
	Flow rate (l/min)	31.2	28.2	27.5	29.4	28.1	26.5	24.8	26	27	24.9	25.8	26.6														
	Flow rate (GPM)	8.23	7.44	7.26	7.76	7.41	6.99	6.54	6.86	7.12	6.57	6.81	7.02														
	Recoil force (N)	160	158	167	190	193	192	189	206	223	214	230	245														
0.4	Recoil force (lbf)	36	36	38	43	43	43	42	46	50	48	52	55														
	Nozzle-ø Outer circle 2 (mm)	0.9	0.85	0.8	0.75	0.7	0.65	0.65	0.6	0.6	0.55	0.55															
	Flow rate (l/min)	32.6	32.6	32.1	31.2	29.9	28.5	29.9	28.1	29.2	27.2	28.2															
	Flow rate (GPM)	8.60	8.60	8.47	8.23	7.89	7.52	7.89	7.41	7.70	7.18	7.44															
	Recoil force (N)	167	183	195	202	206	207	227	221	242	234	250															
0.45	Recoil force (lbf)	38	41	44	45	46	47	51	50	54	53	56															
	Nozzle-ø Outer circle 2 (mm)	0.9	0.85	0.8	0.75	0.7	0.65	0.65	0.6																		
	Flow rate (l/min)	34.1	34.3	34	33.1	32	30.6	32.1	30.4																		
	Flow rate (GPM)	9.00	9.05	8.97	8.73	8.44	8.07	8.47	8.02																		
	Recoil force (N)	175	192	206	215	220	223	245	243																		
0.5	Recoil force (lbf)	39	43	46	48	49	50	55	55																		
	Nozzle-ø Outer circle 2 (mm)	0.9	0.85	0.8	0.75	0.7																					
	Flow rate (l/min)	35.8	36.1	35.9	35.2	34.2																					
	Flow rate (GPM)	9.45	9.53	9.47	9.29	9.02																					
	Recoil force (N)	184	203	218	229	236																					
0.55	Recoil force (lbf)	41	46	49	51	53																					
	Nozzle-ø Outer circle 2 (mm)	0.9	0.85	0.8	0.75																						
	Flow rate (l/min)	37.7	38.2	38.1	37.6																						
	Flow rate (GPM)	9.95	10.08	10.05	9.92																						
	Recoil force (N)	193	215	232	244																						
0.6	Recoil force (lbf)	43	48	52	55																						
	Nozzle-ø Outer circle 2 (mm)	0.9	0.85	0.8																							
	Flow rate (l/min)	39.7	40.4	40.5																							
	Flow rate (GPM)	10.47	10.66	10.69																							
	Recoil force (N)	204	227	246																							
0.65	Recoil force (lbf)	46	51	55																							
	Nozzle-ø Outer circle 2 (mm)	0.95	0.85																								
	Flow rate (l/min)	44.8	42.8																								
	Flow rate (GPM)	11.82	11.29																								
	Recoil force (N)	230	241																								
0.7	Recoil force (lbf)	52	54																								
	Nozzle-ø Outer circle 2 (mm)	0.95																									
	Flow rate (l/min)	47.2																									
	Flow rate (GPM)	12.45																									
	Recoil force (N)	243	-																								
0.75	Recoil force (lbf)	55																									

max. 150 N	max. 250 N	> 250 N

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