

Z 20-4e

01.09.2016

DK2 7027894	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		
		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		
<b>Nozzle-Ø Inner circle 1 (mm)</b>																													
<b>Plug</b>	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	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	12.7	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		
	Recoil force (lbf)	27	28	29	29	28	31	29	27	31	33	36	31	33	35	37	31	33	34	36	37	39	32	33	34	35			
<b>0,2</b>	Nozzle-Ø Outer circle 2 (mm)	0.9	0.8	0.75	0.7	0.65	0.6	0.6	0.55	0.55	0.5	0.5	0.55	0.55	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)	27.5	24	23	21.6	20	18.2	19.1	17.1	17.8	15.7	16.2	19.8	20.3	17.7	18.2	18.7	19.1	16.4	16.8	17.1	17.5	17.8	15.3	15.5	16			
	Flow rate (GPM)	7.26	6.33	6.07	5.70	5.28	4.80	5.04	4.51	4.70	4.14	4.27	5.22	5.36	4.67	4.80	4.93	5.04	4.33	4.43	4.51	4.62	4.70	0.00	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	189	192	200	208	185	191	200		
	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	0	42	43	45		
<b>0,25</b>	Nozzle-Ø Outer circle 2 (mm)	0.9	0.8	0.75	0.7	0.65	0.6	0.6	0.6	0.55	0.55	0.55	0.55	0.55	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)	28.1	24.8	23.8	22.5	21	19.3	20.2	21.1	19	19.7	20.4	21	21.7	19.1	19.1	20.1	18	18.3	18.7	19.1	19.1	18.7	16.7	17	17.3	17.6		
	Flow rate (GPM)	7.41	6.54	6.28	5.94	5.54	5.09	5.33	5.57	5.01	5.20	5.38	5.54	5.73	5.04	5.04	5.30	0.00	4.75	4.83	4.93	5.04	0.00	4.41	4.49	4.56	4.64		
	Recoil force (N)	143	138	144	145	144	160	151	167	156	168	180	192	204	185	196	206	192	201	210	219	200	206	211	220				
	Recoil force (lbf)	32	31	32	33	32	36	34	38	35	38	40	43	46	42	44	46	46	0	43	45	47	49	0	45	46	48	49	
<b>0,3</b>	Nozzle-Ø Outer circle 2 (mm)	0.9	0.8	0.75	0.7	0.65	0.6	0.6	0.6	0.55	0.55	0.55	0.55	0.55	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)	29	25.8	24.9	23.6	22.1	20.5	21.5	22.4	20.4	21.1	21.9	22.6	23.3	20.8	21.3	22	22.4	19.8	20.2	20.6	21.1	21.5	18.7	19.1	19.4	19.7		
	Flow rate (GPM)	7.65	6.81	6.57	6.23	5.83	5.41	5.67	5.91	5.38	5.57	5.78	5.96	6.15	5.49	5.62	5.80	5.91	5.22	5.33	5.44	5.57	5.67	4.93	5.04	5.12	5.20		
	Recoil force (N)	148	144	150	153	152	148	163	178	168	181	194	207	220	202	213	225	236	213	222	232	242	250	223	232	240	248		
	Recoil force (lbf)	33	32	34	34	33	37	40	38	41	44	47	49	45	48	51	53	48	50	52	54	56	50	52	54	56			
<b>0,35</b>	Nozzle-Ø Outer circle 2 (mm)	0.9	0.8	0.75	0.7	0.65	0.6	0.6	0.6	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	0.4	0.4	0.4	0.4			
	Flow rate (l/min)	30	27	26.1	25	23.6	22	23	24.1	22.1	23	23.7	20.1	20.8	22.8	23.4	24	21.5	22	22.5	20.4	20.8	20.4	20.8	20.4	20.8			
	Flow rate (GPM)	7.92	7.12	6.89	6.60	6.23	5.80	6.07	6.36	5.83	6.07	6.25	5.90	5.49	6.02	6.17	6.33	5.67	5.80	5.94	5.38	5.49	5.38	5.49	5.38	5.49			
	Recoil force (N)	153	151	158	162	162	160	175	191	183	197	211	173	185	222	234	246	226	237	248	234	244	234	244	234	244			
	Recoil force (lbf)	34	34	36	36	41	36	39	43	41	44	47	39	42	50	53	55	51	53	56	53	55	53	55					
<b>0,4</b>	Nozzle-Ø Outer circle 2 (mm)	0.9	0.8	0.75	0.7	0.65	0.6	0.6	0.6	0.55	0.55	0.5	0.5	0.5	0.5	0.5	0.5	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45		
	Flow rate (l/min)	31.2	28.2	27.5	26.5	25.2	23.7	22.1	23.1	21.3	22.1	25.8	26.6	24.4	25.1	23.4	23.4	21.5	22	22.5	20.4	20.8	20.4	20.8	20.4	20.8			
	Flow rate (GPM)	8.23	7.44	7.26	6.99	6.65	6.25	5.83	6.09	5.62	5.83	6.81	7.02	6.44	6.62	6.17	6.17	5.49	5.67	5.80	5.38	5.49	5.38	5.49	5.38	5.49			
	Recoil force (N)	160	158	167	172	173	172	170	184	177	190	230	245	231	245	240	240	240	240	240	240	240	240	240	240	240			
	Recoil force (lbf)	36	36	38	39	39	39	38	41	40	43	52	55	52	55	54	54	54	54	54	54	54	54	54	54	54			
<b>0,45</b>	Nozzle-Ø Outer circle 2 (mm)	0.9	0.8	0.75	0.7	0.65	0.6	0.6	0.6	0.55	0.55	0.5	0.5	0.5	0.5	0.5	0.5	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45			
	Flow rate (l/min)	32.6	29.8	29.2	28.2	27	25.6	27	25.2	23.5	24.4	25.3	26.1	24.4	25.1	23.4	23.4	21.5	22	22.5	20.4	20.8	20.4	20.8	20.4	20.8			
	Flow rate (GPM)	8.60	7.86	7.70	7.44	7.12	6.75	7.12	6.65	6.20	6.44	6.68	6.89	6.44	6.62	6.17	6.17	5.49	5.67	5.80	5.38	5.49	5.38	5.49	5.38	5.49			
	Recoil force (N)	167	167	177	183	186	186	205	201	195	210	225	240	210	225	240	240	240	240	240	240	240	240	240	240	240			
	Recoil force (lbf)	38	38	40	41	42	42	46	45	44	47	51	54	47	51	54	54	54	54	54	54	54	54	54	54	54			
<b>0,5</b>	Nozzle-Ø Outer circle 2 (mm)	0.9	0.8	0.8	0.7	0.65	0.6	0.6	0.6	0.55	0.55	0.5	0.5	0.5	0.5	0.5	0.5	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45			
	Flow rate (l/min)	34.1	31.4	34	30.2	29.1	27.8	29.2	27.8	28.7	27	27.9	29.2	27.9	27.9	26.1	26.1	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4			
	Flow rate (GPM)	9.00	8.28	8.97	7.97	7.68	7.34	7.70	7.34	7.57	7.12	7.36	7.92	7.57	7.57	7.12	7.12	6.44	6.62	6.81	6.44	6.62	6.81	6.44	6.62				
	Recoil force (N)	175	177	206	196	200	202	222	203	238	235	249	269	249	249	249	249	249	249	249	249	249	249	249	249				
	Recoil force (lbf)	39	40	46	44	45	45	50	46	54	53	56	56	56	56	56	56	56	56	56	56	56	56	56	56				
<b>0,55</b>	Nozzle-Ø Outer circle 2 (mm)	0.85	0.8	0.7	0.65	0.65	0.6	0.55	0.55	0.5	0.55	0.55	0.55	0.55	0.5	0.5	0.5	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45			
	Flow rate (l/min)	33	33.3	30.2	28.7	31.3	30.2	29	30.2	28.7	27.2	28.2	29.2	28.2	27.2	26.1	26.1	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4				
	Flow rate (GPM)	8.71	8.79	7.97	7.57	8.26	7.97	7.65	7.97	7.57	7.12	7.44	7.92	7.57	7.57	7.12	7.12	6.44	6.62	6.81	6.44	6.62	6.81	6.44	6.62				
	Recoil force (N)	170	187	184	200	216	220	221	241	240	235	250	269	249	249	249	249	249	249	249	249	249	249	249	249				
	Recoil force (lbf)	38	42	41	45	49	49	50	54	54	53	56	56	56	56	56	56	56	56	56	56	56	56	56					
<b>0,6</b>	Nozzle-Ø Outer circle 2 (mm)	0.85	0.8	0.7	0.65	0.6	0.6	0.55	0.5	0.55	0.55	0.55	0.55																