



Actuator Model	MOP [psig]	MAWP [psig]	Stroke Position	Spring Torque [Lbf.in]	Operating Pressure (psig)										
					40	50	60	70	80	90	100	125	150	175	
					Ouput Torque [Lbf.in]										
UPSI/S-*/095/C1	150	174	BREAK	9382			7583	10116	12684	15181	17713	24044	30376		
			MID	4868			3539	5096	6652	8208	9764	13654	17544		
			END	6815			4478	7193	9909	12624	15340	22129	28918		
UPSI/A-*/095/C1	125	174	BREAK	8072				15906	19872	23839	27905	37722			
			MID	5151				4701	6276	750	9425	13361			
			END	10869				5648	7821	9993	12166	17597			
UPSI/S-*/110/C1	125	174	BREAK	9293	6723	10262	13802	17341	20880	24420	27959	36808			
			MID	4779	3034	5231	7428	9625	11822	14019	16216	21708			
			END	6727	3497	7402	11308	15213	19119	23024	26930	33694			
UPSI/A-*/110/C1	90	174	BREAK	7983	10530	16132	21734	27336	32938	38540					
			MID	5089	2566	4787	7008	9229	11451	13672					
			END	10709	2664	5764	8864	11964	15064	18164					
UPSI/S-*/130/C1	90	174	BREAK	9169	12710	17800	22889	27979	33038	38157					
			MID	4691	6794	9980	13165	16350	19536	22721					
			END	6550	10087	15640	21193	26747	32300	37853					
UPSI/A-*/130/C1	60	174	BREAK	7859	19957	27976	35994								
			MID	4993	6338	9462	12586								
			END	10408	7884	12326	16769								
UPSI/S-*/095/C2	174	174	BREAK	15427						11033	13517	19726	25935	32144	
			MID	7789							4758	6351	10332	14314	18296
			END	10922								5473	8250	15191	22133
UPSI/A-*/095/C2	125	174	BREAK	13223								21294	31160		
			MID	8364									5645	9581	
			END	17347									6331	11802	
UPSI/S-*/110/C2	125	174	BREAK	15312				13314	16853	20393	23932	32780			
			MID	7833				6214	8460	10705	12951	18565			
			END	10798				7956	11861	15767	19672	29436			
UPSI/A-*/110/C2	90	174	BREAK	13143				20866	26505	32143					
			MID	8320				5530	7751	9972					
			END	17117				6105	9205	12305					
UPSI/S-*/130/C2	90	174	BREAK	15179	8600	13726	18852	23978	29104	37230					
			MID	7744	3214	6436	9658	12881	16103	19325					
			END	10621	2808	8422	14036	19651	25265	30879					
UPSI/A-*/130/C2	70	174	BREAK	12011			29655	38283							
			MID	8231			8937	12050							
			END	16878			10873	15267							

MOP= Max Operating Pressure  
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Actuator Model	MOP [psig]	MAWP [psig]	Stroke Position	Spring Torque [Lbf.in]	Operating Pressure (psig)									
					40	50	60	70	80	90	100	125	150	175
					Ouput Torque [Lbf.in]									
UPS1/S-*/130/C3	105	174	BREAK	24605				17516	22642	27768	32894			
			MID	12347			7416	10650	13885	17119				
			END	16993			8188	13802	19417	25031				
UPS1/A-*/130/C3	80	174	BREAK	21109			27467	35498						
			MID	13232			6126	9458						
			END	26951			6120	10635						
UPS1/S-*/110/C4	125	174	BREAK	17569			11313	14889	18465	22041	30981			
			MID	9001			4768	7026	9284	11542	17186			
			END	12763			5256	9161	13067	16972	26736			
UPS1/A-*/110/C4	100	174	BREAK	15046			17759	23361	28963	34565				
			MID	9647			3960	6230	8500	10770				
			END	20268			3921	7046	10170	13294				
UPS1/S-*/130/C4	100	174	BREAK	17409		11717	16831	21945	27058	32172	37286			
			MID	8904		5029	8251	11473	14695	17917	21139			
			END	12595		5698	11287	16877	22467	28056	33646			
UPS1/A-*/130/C4	75	174	BREAK	14914		18418	26412	34406						
			MID	9497		4223	7457	10691						
			END	20003		4306	8761	13216						
UPS1/S-*/150/C4	75	174	BREAK	17347	13131	19844	26556	33269						
			MID	8860	5948	10207	14466	18726						
			END	12524	7200	14572	21943	29315						
UPS1/A-*/150/C4	50	174	BREAK	14869	20566	31184								
			MID	9470	5159	9370								
			END	19870	5471	11365								
UPS2/S-*/095/C1	174	174	BREAK	13452			13213	16448	19682	22916	31002	39087	47173	
			MID	6691			6172	8198	10224	12250	17315	22379	27444	
			END	8913			7870	11410	14949	18488	27337	36185	45033	
UPS2/A-*/095/C1	155	174	BREAK	11506			20513	25652	30790	35928	48773	61618		
			MID	7081			5366	7392	9418	11444	16509	21574		
			END	13984			6013	8845	11676	14507	21586	28665		
UPS2/S-*/110/C1	155	174	BREAK	13409	8727	13364	18002	22640	27278	31915	36553	48147	59742	
			MID	6603	3374	6242	9110	11978	14846	17714	20582	27752	34923	
			END	8762	3066	8070	13074	18078	23082	23086	33090	45599	58109	
UPS2/A-*/110/C1	105	174	BREAK	11550	13683	20993	28304	35614	42925	50235	57546			
			MID	7081	2509	5572	8635	11699	14762	17825	20889			
			END	13896	2192	6207	10223	14238	18253	22269	26284			

MOP= Max Operating Pressure  
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Actuator Model	MOP [psig]	MAWP [psig]	Stroke Position	Spring Torque [Lbf.in]	Operating Pressure (psig)									
					40	50	60	70	80	90	100	125	150	175
					Ouput Torque [Lbf.in]									
UPS2/S-*/130/C1	105	174	BREAK	13205	16560	23212	29863	36515	43166	49818	56469			
			MID	6470	8424	12562	16699	20836	24974	29111	33248			
			END	8541	11567	18828	26090	33352	40613	47875	55137			
UPS2/A-*/130/C1	75	174	BREAK	11347	25954	36377	46800	57222						
			MID	6948	7592	11680	15769	19857						
			END	13542	9000	14749	20497	26245						
UPS2/S-*/110/C2	174	174	BREAK	22127				17294	21932	36569	31207	42801	54396	65990
			MID	10665				7180	10122	13063	16004	23357	30711	38064
			END	14073				7751	12816	17881	22946	35608	48271	60933
UPS2/A-*/110/C2	105	174	BREAK	21640				23129	30391	37653	44914			
			MID	13329				2977	6089	9202	12314			
			END	26375				2731	6820	10908	14997			
UPS2/S-*/130/C2	105	174	BREAK	21906		17813	24464	31116	37767	44419	51070			
			MID	10621		7511	11722	15932	20143	24354	28564			
			END	13851		8315	15564	22814	30063	37313	44562			
UPS2/A-*/130/C2	80	174	BREAK	18852		28016	38402	48788	59174					
			MID	11426		6231	10405	14579	18753					
			END	21950		6244	11980	17716	23453					
UPS2/S-*/150/C2	90	174	BREAK	21817	19616	28403	37191	45978	54765	63553				
			MID	10488	8723	14252	19781	25309	30838	36367				
			END	13763	10261	19854	29447	39040	48632	58225				
UPS2/A-*/150/C2	60	174	BREAK	18764	30794	44573	58352							
			MID	11373	7453	12945	18437							
			END	21817	7782	15361	22940							
UPS2/S-*/130/C3	125	174	BREAK	35624				22752	29403	36055	42706	59335		
			MID	16993				-168	11597	23362	35128	64541		
			END	22091				-891	13743	28376	43009	79592		
UPS2/A-*/130/C3	90	174	BREAK	30553				35738	46173	56608				
			MID	18587				4506	9631	14757				
			END	34890				4336	10134	15931				
UPS2/S-*/150/C3	105	174	BREAK	35509		28822	37585	46348	55110	63873				
			MID	17038		11881	17520	23158	28797	34435				
			END	22003		12897	22496	32095	41694	51293				
UPS2/A-*/150/C3	75	174	BREAK	30447				60144						
			MID	18348				16275						
			END	34695				18368						

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Actuator Model	MOP [psig]	MAWP [psig]	Stroke Position	Spring Torque [Lbf.in]	Operating Pressure (psig)									
					40	50	60	70	80	90	100	125	150	175
					Output Torque [Lbf.in]									
UPS2/S-*/110/C4	174	174	BREAK	25207				14718	19356	23994	28632	40226	51820	63415
			MID	12356				4497	7548	10600	13651	21279	28906	36534
			END	16639				3984	9073	14162	19252	31975	44698	57421
UPS2/S-*/110C4	125	174	BREAK	21640				23105	30391	37678	44964	63179		
			MID	13365				2977	6089	9202	12314	20094		
			END	26375				2747	6774	10802	14829	24898		
UPS2/S-*/130/C4	125	174	BREAK	25003			21898	28549	35201	41852	48504	65132		
			MID	12347			9813	13993	18173	22353	26533	36983		
			END	16374			11893	19095	26350	33606	40862	59001		
UPS2/A-*/130/C4	90	174	BREAK	21472			32848	44503	56158	67814				
			MID	13294			8403	12613	16824	21034				
			END	26021			8979	14758	20537	26316				
UPS2/S-*/150/C4	90	174	BREAK	24906	17031	25794	34557	43320	52083	60846				
			MID	12267	6697	12275	17852	23430	29007	34585				
			END	16294	6530	16111	25692	35272	44853	54433				
UPS2/A-*/150/C4	60	174	BREAK	21401	26745	40511	54278							
			MID	13143	5307	10860	16414							
			END	25862	4751	12391	20032							
UPS3/S-*/150/C1	155	174	BREAK	64610						66446	77791	106151	134511	
			MID	28349						27936	35173	53267	71360	
			END	33190						31287	43687	74686	105686	
UPS3/A-*/150/C1	105	174	BREAK	55140							121610			
			MID	31332							30991			
			END	51954							33868			
UPS3/S-*/170/C1	105	174	BREAK	64522				65665	80164	94663	109162			
			MID	28296				27607	36943	46280	55616			
			END	33146				30440	46270	62099	77928			
UPS3/A-*/170/C1	90	174	BREAK	55760				103084	125846	148607				
			MID	32217				22803	32237	41671				
			END	52573				22717	35337	47956				
UPS3/S-*/190/C1	90	174	BREAK	64274			72072	90049	108026	126003				
			MID	29747			31735	43402	55070	66737				
			END	32836			37405	57084	76764	96444				
UPS3/A-*/190/C1	60	174	BREAK	54919			109933							
			MID	31199			25172							
			END	51520			25730							

MOP= Max Operating Pressure  
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Actuator Model	MOP [psig]	MAWP [psig]	Stroke Position	Spring Torque [Lbf.in]	Operating Pressure (psig)									
					40	50	60	70	80	90	100	125	150	175
					Output Torque [Lbf.in]									
UPS3/S-*/170/C2	125	174	BREAK	75984					59988	73541	87093	120974		
			MID	35730					23987	32596	41205	62727		
			END	45652					24233	39041	53849	90870		
UPS3/A-*/170/C2	90	174	BREAK	65425					94205	115464				
			MID	39058					18996	27856				
			END	72443					17791	29574				
UPS3/S-*/190/C2	105	174	BREAK	75727			69250	86090	102931	119771				
			MID	35580			29925	40623	51321	62019				
			END	45378			48157	48180	48203	48226				
UPS3/A-*/190/C2	75	174	BREAK	65230			116126							
			MID	38899			30170							
			END	71992			33279							
UPS3/S-*/210/C2	90	174	BREAK	75824		74345	94856	115367	135878					
			MID	35757		33343	46416	59489	72561					
			END	45422		39915	62316	84717	107117					
UPS3/A-*/210/C2	60	174	BREAK	65230		84853	116723							
			MID	39324		13756	28530							
			END	72054		12442	30298							
UPS5/S-*/150/C0	174	174	BREAK	83772				52790	67153	81516	117424	153331	189239	
			MID	42908				22074	31139	40205	62868	85532	108195	
			END	60805				23662	39418	55174	94564	133954	173344	
UPS5/A-*/150/C0	174	174	BREAK	71780				82717	105620	128523	185782	243040	300298	
			MID	45758				18156	27233	36309	59002	81694	104386	
			END	96517				17510	30229	42948	74746	106543	138340	
UPS5/S-*/170/C0	174	174	BREAK	83684		47575	66265	84956	103646	122336	169062	215787	262513	
			MID	42855		18483	30237	47991	53745	65499	94885	124270	153656	
			END	60716		18013	38421	58830	79238	99647	150668	201690	252711	
UPS5/A-*/170/C0	125	174	BREAK	71691			104031	133362	162693	192024	265353			
			MID	45688			26750	38327	49904	61482	90425			
			END	96385			29337	56684	61830	78077	118695			
UPS5/S-*/190/C0	155	174	BREAK	83348		51252	74486	97720	120955	144189	167423	225509	283595	
			MID	42643		21299	35570	49842	64114	78386	92657	128337	164016	
			END	60336		22036	47406	72775	98145	123514	148884	212307	275731	
UPS5/A-*/190/C0	105	174	BREAK	71390		80476	116955	153433	189912	226390	262869			
			MID	45466		17324	31722	46119	60516	74914	89311			
			END	95739		16274	36539	56805	77071	97337	117603			

MOP= Max Operating Pressure  
 MAWP = Max. Allowable Working Pressure



Actuator Model	MOP [psig]	MAWP [psig]	Stroke Position	Spring Torque [Lbf.in]	Operating Pressure (psig)									
					40	50	60	70	80	90	100	125	150	175
					Ouput Torque [Lbf.in]									
UPS5/S-*/210/C0	125	174	BREAK	83392	56020	86202	116383	146565	176747	206929	237111	312566		
			MID	42661	24285	43141	61997	80853	99709	118565	137421	184561		
			END	60380	27216	60230	93243	126256	159270	192283	225296	307830		
UPS5/A-*/210/C0	90	174	BREAK	71426	87950	135353	182755	230158	277561	324963				
			MID	45493	20415	39149	57883	76617	95351	114085				
			END	95809	20439	46716	72992	99269	125545	151822				
UPS5/S-*/230/C0	105	174	BREAK	83595	79816	115905	151994	188083	224172	260260	296349			
			MID	42785	39470	61963	84456	106949	129442	151935	174428			
			END	60583	53227	92697	132166	171636	211105	250575	290044			
UPS5/A-*/230/C0	75	174	BREAK	71603	125331	182021	238712	295402						
			MID	45599	35515	57752	79988	102225						
			END	96119	41147	72549	103951	135354						
UPS5/S-*/250/C0	90	174	BREAK	83914	105893	148426	190959	233492	276025	318557				
			MID	43015	55814	82322	108831	135339	161847	188356				
			END	60955	81736	128235	174735	221234	267733	314233				
UPS5/A-*/250/C0	65	174	BREAK	71877	166270	233054	299837							
			MID	45820	51747	77890	104032							
			END	96712	63837	100817	137797							
UPS5/S-*/170/C1	174	174	BREAK	105687				61556	81510	101465	121419	171305	221191	271078
			MID	53370				23177	35869	48562	61255	92987	124719	156451
			END	74293				21690	43512	65334	87156	141710	196265	250819
UPS5/S-*/170/C1	125	174	BREAK	90614					127997	159326	190655	268978		
			MID	57220					31120	43556	55992	87084		
			END	117865					32984	50339	67694	111081		
UPS5/S-*/190/C1	155	174	BREAK	105368				95171	120007	144843	169680	231770	293861	
			MID	53175				45023	60584	76145	91706	130608	169510	
			END	73904				58431	85586	112741	139897	207785	275672	
UPS5/A-*/190/C1	105	174	BREAK	90499			110484	149429	188373	227318	266263			
			MID	5709			27539	40677	53816	66954	80092			
			END	117255			23275	44852	66430	88008	109585			
UPS5/S-*/210/C1	125	174	BREAK	105386			102687	132894	163100	193306	223513	299028		
			MID	53857			50169	69056	87942	106829	125716	172932		
			END	73948			66646	99660	132673	465686	198700	281233		
UPS5/A-*/210/C1	90	174	BREAK	90366		113829	161219	208609	256000	303390				
			MID	56884		25197	44090	62983	81875	100768				
			END	117334		25169	51384	77600	103815	130031				

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UniTorq Acutators - Series UPS

Scotch-Yoke, Single Acting, Pneumatic Actuators -- Imperial Torques



Actuator Model	MOP [psig]	MAWP [psig]	Stroke Position	Spring Torque [Lbf.in]	Operating Pressure (psig)									
					40	50	60	70	80	90	100	125	150	175
					Output Torque [Lbf.in]									
UPS5/S-*/230/C1	105	174	BREAK	105563	66084	102210	138335	174461	210586	246712	282837			
			MID	53954	26664	49279	71894	94509	117124	139739	162354			
			END	74143	26683	66128	105574	145019	184464	223909	263354			
UPS5/A-*/230/C1	80	174	BREAK	90517	103841	160482	217124	273765	330407					
			MID	56999	21419	43949	66478	89008	111537					
			END	117671	19582	50972	82362	113752	145142					
UPS5/S-*/250/C1	90	174	BREAK	105908	92174	134707	177240	219773	262306	304839				
			MID	54175	44007	70516	97014	123532	150040	176549				
			END	74514	55166	101665	148165	194664	241163	287663				
UPS5/A-*/250/C1	60	174	BREAK	90809	144763	211522	278281							
			MID	57220	38275	64649	91023							
			END	118246	42286	79265	116245							
UPS5/S-*/270/C1	80	174	BREAK	105696	119859	169324	218789	268254	317719					
			MID	53388	60935	91813	122690	153568	184446					
			END	74302	143603	143603	143603	143603	143603					
UPS5/A-*/270/C1	60	174	BREAK	90632	235924	177562	119200							
			MID	57087	52790	91235	129679							
			END	117892	51316	137053	222790							
UPS5/S-*/190/C2	174	174	BREAK	140355					87197	111996	136796	198795	260794	322793
			MID	74948					37654	53300	68946	108062	147178	186293
			END	106315					43244	70362	97481	165277	233073	300870
UPS5/A-*/190/C2	125	174	BREAK	120069					136924	175856	214789	312120		
			MID	77497					31616	47214	62811	101805		
			END	168740					32541	54131	75721	129695		
UPS5/S-*/210/C2	125	174	BREAK	140408				100078	130272	160466	190660	266146		
			MID	73311				45726	64716	83706	102697	150172		
			END	106368				57330	90331	123332	156333	238836		
UPS5/A-*/210/C2	105	174	BREAK	120016				157145	204560	251975	299389			
			MID	77533				39634	58600	77565	96531			
			END	168784				43751	70015	96279	122544			
UPS5/S-*/230/C2	125	174	BREAK	140585			105511	141606	177701	213796	249891	340128		
			MID	74868			49538	72202	94866	117530	140193	196853		
			END	106572			63269	102727	142184	181642	221099	319742		
UPS5/A-*/230/C2	90	174	BREAK	120282				165689	222361	279033	335705			
			MID	78019				43841	66298	88754	111210			
			END	169094				48484	79886	111288	142691			

MOP= Max Operating Pressure  
 MAWP = Max. Allowable Working Pressure

# UniTorq Acutators - Series UPS

Scotch-Yoke, Single Acting, Pneumatic Actuators -- Imperial Torques



Actuator Model	MOP [psig]	MAWP [psig]	Stroke Position	Spring Torque [Lbf.in]	Operating Pressure (psig)										
					40	50	60	70	80	90	100	125	150	175	
					Output Torque [Lbf.in]										
UPS5/S-*/250/C2	105	174	BREAK	140930	59417	101926	144434	186943	229451	279451	314468				
			MID	75090	19632	46469	73307	100145	126983	153821	180659				
			END	106935	16217	59447	104677	149907	195137	240367	285597				
UPS5/A-*/250/C2	75	174	BREAK	120547		89860	244187	398514							
			MID	78223		41611	41611	94579							
			END	169669		45367	45367	119237							
UPS5/S-*/270/C2	90	174	BREAK	138072	87067	136532	136532	235462	284927	334392					
			MID	74948	38173	69172	100172	131171	162171	193171					
			END	106722	43096	97174	151253	205331	259409	313488					
UPS5/A-*/270/C2	60	174	BREAK	120370	136670	214376	292083								
			MID	77727	32103	62920	93736								
			END	169333	32398	75480	118562								
UPS5/S-*/190/C3	174	174	BREAK	162995						86995	111800	173815	235829	297844	
			MID	87472							37274	52987	92270	131554	170837
			END	131080								43027	70134	137899	205665
UPS5/A-*/190/C3	125	174	BREAK	139178							175533	272915			
			MID	91517								477417	86187		
			END	207993									53945	107970	
UPS5/S-*/210/C3	155	174	BREAK	163040				75060	105242	135424	165606	241061	316515		
			MID	87507				29912	48891	67869	86847	134292	181737		
			END	131124				29981	62892	95983	128984	211487	293990		
UPS5/A-*/210/C3	105	174	BREAK	139222				117907	165261	212615	259968				
			MID	91534				23717	42695	61673	80651				
			END	208055				21984	48260	74537	100813				
UPS5/S-*/230/C3	125	174	BREAK	163252				116577	152703	188828	224954	315267			
			MID	88508				56448	79075	101702	124330	180898			
			END	131319				75381	114826	154271	193717	292329			
UPS5/A-*/230/C3	90	174	BREAK	139364				183101	239730	296360	352989				
			MID	91650				50424	73002	95581	118159				
			END	208391				58107	89534	120961	152387				
UPS5/S-*/250/C3	105	174	BREAK	163562		76894	119427	161960	204493	247026	289559				
			MID	87817		30920	57734	84547	111361	138174	164988				
			END	131699		31993	78480	124967	171455	217942	264429				
UPS5/A-*/250/C3	80	174	BREAK	139665			187561	254319	321078						
			MID	91871			52358	78842	105326						
			END	208966			60580	97590	134601						

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UniTorq Acutators - Series UPS

Scotch-Yoke, Single Acting, Pneumatic Actuators -- Imperial Torques



Actuator Model	MOP [psig]	MAWP [psig]	Stroke Position	Spring Torque [Lbf.in]	Operating Pressure (psig)									
					40	50	60	70	80	90	100	125	150	175
					Output Torque [Lbf.in]									
UPS5/S-*/270/C3	90	174	BREAK	163385	62011	111500	160990	210479	259969	309458				
			MID	87711	21140	53385	58629	117874	150118	182363				
			END	131478	15725	69815	123906	177997	232087	286178				
UPS5/A-*/270/C3	60	174	BREAK	139488		175088	252794							
			MID	92402		47567	78347							
			END	208612		53712	96733							
UPS5/S-*/290/C3	80	174	BREAK	1636137	91746	148729	205712	262695	319678					
			MID	89331	41385	77023	112660	148297	183935					
			END	131221	48225	110505	172785	235065	297345					
UPS5/A-*/290/C3	60	174	BREAK	139311	144092	233552	323011							
			MID	91517	35092	70656	106220							
			END	208214	36503	86066	135629							
UPS5/S-*/210/C4	155	174	BREAK	209780							127209	202695	278180	
			MID	112714							58109	105981	153854	
			END	169102							72508	155011	237513	
UPS5/A-*/210/C4	125	174	BREAK	179104							199777	318263		
			MID	117848							50360	98304		
			END	268337							55306	120946		
UPS5/S-*/230/C4	125	174	BREAK	209966					114272	150373	186474	276727		
			MID	112821					49986	72760	95534	152468		
			END	169297					58359	97816	137273	235917		
UPS5/A-*/230/C4	105	174	BREAK	179254					179422	236100	29778			
			MID	117980					42304	65090	87876			
			END	277489					44050	75464	106879			
UPS5/S-*/250/C4	105	174	BREAK	210312				123548	166080	208613	251146			
			MID	113024				55548	82447	109346	436245			
			END	169669				68500	114987	161474	207961			
UPS5/A-*/250/C4	90	174	BREAK	179537				193995	260779	327562				
			MID	118166				48641	75308	101975				
			END	269222				52156	89111	126067				
UPS5/S-*/270/C4	105	174	BREAK	210117			122585	172068	221552	271035				
			MID	115184			55233	86483	117733	148982				
			END	169456			67464	121548	175633	229717				
UPS5/A-*/270/C4	75	174	BREAK	179369		114789	192471	270153						
			MID	118910		13933	46348	78763						
			END	268886		8234	51292	94349						

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UniTorq Acutators - Series UPS

Scotch-Yoke, Single Acting, Pneumatic Actuators -- Imperial Torques



Actuator Model	MOP [psig]	MAWP [psig]	Stroke Position	Spring Torque [Lbf.in]	Operating Pressure (psig)									
					40	50	60	70	80	90	100	125	150	175
					Output Torque [Lbf.in]									
UPS5/S-*/290/C4	90	174	BREAK	209896			167300	224283	281266	338249				
			MID	115060			84675	120226	155778	191330				
			END	169226			116326	178606	240886	303166				
UPS5/A-*/290/C4	60	174	BREAK	179183		193234	262693							
			MID	118777		39917	76409							
			END	268532		40609	90172							
UPS5/S-*/310/C4	75	174	BREAK	209657	85212	150165	215117	280070						
			MID	114892	31386	72613	113840	155067						
			END	168961	26565	97596	168627	239657						
UPS5/A-*/310/C4	60	174	BREAK	178989	133726	235817	337908							
			MID	118600	23549	64862	106174							
			END	268089	18723	75291	131859							
UPS6/S-*/210/C1	174	174	BREAK	283888						174032	335793	497554	659316	
			MID	151658						75026	138632	202238	265844	
			END	218614						83155	191867	300580	409292	
UPS6/A-*/210/C1	174	174	BREAK	247201						275833	435865	595897	755930	
			MID	158959						61314	125388	189462	253536	
			END	343055						61320	149478	237635	325793	
UPS6/S-*/230/C1	174	174	BREAK	292305					208709	256917	377437	497957	618477	
			MID	151817					94961	125716	202605	279494	356383	
			END	218879					101207	101200	101185	101170	101155	
UPS6/A-*/230/C1	155	174	BREAK	250122					327708	403517	539038	782560		
			MID	160889					78743	111628	193841	276054		
			END	347303					89009	130993	235952	320911		
UPS6/S-*/250/C1	174	174	BREAK	292756			172877	229689	286501	343313	485344	627375	769405	
			MID	152100			72077	107775	143474	179172	268418	357664	446910	
			END	219366			77813	139568	201323	263078	417466	571854	726242	
UPS6/A-*/250/C1	125	174	BREAK	250520			271388	360713	450038	539364	762677			
			MID	161172			59311	94741	130171	165601	254175			
			END	348065			57819	107284	156749	206214	329877			
UPS6/S-*/270/C1	155	174	BREAK	292482			237790	303938	370087	436236	601608	766979		
			MID	151923			113365	154861	196356	237852	341590	455329		
			END	219056			148658	220970	293282	365594	546374	727155		
UPS6/A-*/270/C1	105	174	BREAK	250299			373290	477212	581134	685056				
			MID	160995			101230	142482	183733	224985				
			END	347569			114277	171822	229366	286911				

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UniTorq Acutators - Series UPS

Scotch-Yoke, Single Acting, Pneumatic Actuators -- Imperial Torques



Actuator Model	MOP [psig]	MAWP [psig]	Stroke Position	Spring Torque [Lbf.in]	Operating Pressure (psig)									
					40	50	60	70	80	90	100	125	150	175
					Ouput Torque [Lbf.in]									
UPS6/S-*/290/C1	125	174	BREAK	292208			231345	307563	383780	459998	536215	726759		
			MID	151746			109175	157164	204854	252543	300232	419456		
			END	218746			141648	224938	30228	391518	474808	683033		
UPS6/A-*/290/C1	105	174	BREAK	250034			363229	482754	602279	721805	841330			
			MID	160818			96832	144101	191369	238637	285905			
			END	347091			108711	174988	241265	307542	373818			
UPS6/S-*/310/C1	125	174	BREAK	291898		208420	295500	382579	469659	556739	643818	681517		
			MID	151569		95122	149530	203938	258346	312754	367162	503182		
			END	218401		116607	211620	306632	401645	496657	591670	829201		
UPS6/A-*/310/C1	90	174	BREAK	249768		327320	463767	600214	736661	873108				
			MID	86534		82363	137064	191765	246466	301167				
			END	94553		88774	164406	240038	315669	391301				
UPS6/S-*/330/C1	105	174	BREAK	291544	166917	265225	363533	467841	560148	658456	756764			
			MID	151348	69152	310187	191222	252257	313292	374327	435362			
			END	218038	71186	178672	286157	393643	501108	608614	716100			
UPS6/A-*/330/C1	75	174	BREAK	249503		416493	570880	725268						
			MID	161101		118422	179372	240321						
			END	345976		138173	223727	309281						
UPS6/S-*/370/C1	90	174	BREAK	290836	227445	460613	693781	92950	1160118	1393286				
			MID	150905	132147	209122	286086	363070	440044	517018				
			END	226110	179556	314331	449106	583881	718656	853431				
UPS6/A-*/370/C1	60	174	BREAK	248883	417749	611314	804878							
			MID	159977	119136	195231	271327							
			END	344737	138918	164135	353352							
UPS6/S-*/371/C1	80	174	BREAK	343542	319833	456646	593459	730272	867085					
			MID	150640	165598	251786	337975	424164	510352					
			END	216843	238313	387916	537520	687123	836727					
UPS6/A-*/371/C1	60	174	BREAK	248547	502141	717002	391863							
			MID	159721	150490	241011	331533							
			END	344092	185673	304668	423662							
UPS6/S-*/250/C2	174	174	BREAK	397531					218369	275242	417425	559608	701791	
			MID	2003089					81817	118370	209751	301133	392515	
			END	286835					75430	137600	293025	448450	603875	
UPS6/A-*/250/C2	155	174	BREAK	340559					383493	460585	653315	846046		
			MID	216578					64952	100748	190238	279728		
			END	455150					54200	103653	227286	350918		

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UniTorq Acutators - Series UPS

Scotch-Yoke, Single Acting, Pneumatic Actuators -- Imperial Torques



Actuator Model	MOP [psig]	MAWP [psig]	Stroke Position	Spring Torque [Lbf.in]	Operating Pressure (psig)									
					40	50	60	70	80	90	100	125	150	175
					Ouput Torque [Lbf.in]									
UPS6/S-*/270/C2	174	174	BREAK	397310						301859	368044	533507	698971	864434
			MID	202948						13687	178309	283116	387923	492729
			END	286543						166726	239068	419925	600781	781637
UPS6/A-*/270/C2	125	174	BREAK	340320						173996	577918	837722		
			MID	216419						117497	159145	263265		
			END	454663						126795	184370	328308		
UPS6/S-*/290/C2	155	174	BREAK	396974				239460	315067	390674	466281	655300	844318	
			MID	202735				96279	143938	191597	239255	658402	477549	
			END	286122				98597	180855	263114	345373	551020	756667	
UPS6/A-*/290/C2	105	174	BREAK	340090				375784	495413	615043	734672			
			MID	216224				76587	125015	173442	221870			
			END	454663				72355	138699	205043	271387			
UPS6/S-*/310/C2	125	174	BREAK	396974				314077	400973	487870	574766	792007		
			MID	202549				143750	198487	253224	307962	444806		
			END	285879				180022	275035	370047	465060	702591		
UPS6/A-*/310/C2	90	174	BREAK	339825				493120	629567	766014				
			MID	216029				124889	179834	234779				
			END	453645				137384	212991	288599				
UPS6/S-*/330/C2	105	174	BREAK	396337				295344	393682	492020	590359	688697		
			MID	204151				128918	175301	221685	268068	314452		
			END	285525				159576	267074	374572	482070	589567		
UPS6/A-*/330/C2	90	174	BREAK	339559				463746	618152	772558	926964			
			MID	215826				113194	175169	237144	299119			
			END	453070				121103	206657	292211	377765			
UPS6/S-*/370/C2	90	174	BREAK	395629				444430	567727	691023	814320			
			MID	201886				227619	304904	382189	459475			
			END	284729				322536	457336	592135	726935			
UPS6/A-*/370/C2	60	174	BREAK	338939				504190	697791					
			MID	215356				130576	207831					
			END	451787				143525	250779					
UPS6/S-*/371/C2	90	174	BREAK	395230	251533	388443	525354	662265	799176	936087				
			MID	201638	105238	191293	277347	363402	449456	353310				
			END	284304	111742	261309	410876	450443	710010	859577				
UPS6/A-*/371/C2	60	174	BREAK	338585	395002	609864	824725							
			MID	215117	86400	172491	258582							
			END	451123	83014	202082	321150							

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UniTorq Acutators - Series UPS

Scotch-Yoke, Single Acting, Pneumatic Actuators -- Imperial Torques



Actuator Model	MOP [psig]	MAWP [psig]	Stroke Position	Spring Torque [Lbf.in]	Operating Pressure (psig)									
					40	50	60	70	80	90	100	125	150	175
					Output Torque [Lbf.in]									
UPS6/S-*/370/C3	125	174	BREAK	706290					445403	561346	677290	967149		
			MID	347525					167132	240809	314485	498676		
			END	469223					152222	278943	405665	722469		
UPS6/A-*/370/C3	105	174	BREAK	602205						877052	4058178			
			MID	372086						204829	278071			
			END	740808						210268	310598			
UPS6/S-*/371/C3	125	174	BREAK	705865			418209	546860	675511	804162	1125789			
			MID	347268			150324	232072	313820	395569	599940			
			END	468789			122474	263113	403752	544391	895989			
UPS6/A-*/371/C3	90	174	BREAK	601869					854420	1055434				
			MID	371838					196172	277520				
			END	740144					197757	309088				
UPS6/S-*/370/C7	125	174	BREAK	605037			424647	540476	656305	772135	1061708			
			MID	286233			157663	230723	303782	376842	559492			
			END	364872			137654	262732	387809	512887	825580			
UPS6/A-*/370/C7	90	174	BREAK	525071					854589	1035725				
			MID	313582					195838	269526				
			END	582247					197818	298154				
UPS6/S-*/371/C7	125	174	BREAK	613977			519754	648416	777079	905741	1227397			
			MID	288490			214950	296630	378310	459990	664190			
			END	368368			233480	374119	514758	655397	1006996			
UPS6/A-*/371/C7	90	174	BREAK	584726			812143	1013112	1214080					
			MID	313334			179114	260417	341720					
			END	581547			174261	285615	396969					
UPS7/S-*/371/C0	155	174	BREAK	1064612					893952	1060988	1478579	1896169		
			MID	488738					348396	455125	721949	988774		
			END	592044						345341	527939	984434	1440929	
UPS7/A-*/371/C0	105	174	BREAK	918133							1741191			
			MID	534939								440988		
			END	939374								480345		
UPS7/S-*/372/C0	125	174	BREAK	1063949					908379	1098204	1288029	1762592		
			MID	483738					360543	481487	602432	904792		
			END	591283					361151	568627	776104	1294795		
UPS7/A-*/372/C0	90	174	BREAK	917557					1426325	1724433				
			MID	534585					283754	408660				
			END	938180					264616	429769				

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UniTorq Acutators - Series UPS

Scotch-Yoke, Single Acting, Pneumatic Actuators -- Imperial Torques



Actuator Model	MOP [psig]	MAWP [psig]	Stroke Position	Spring Torque [Lbf.in]	Operating Pressure (psig)									
					40	50	60	70	80	90	100	125	150	175
					Output Torque [Lbf.in]									
UPS7/S-*/373/C0	105	174	BREAK	1062710				1092457	1335816	1579175	1822534			
			MID	482985				476853	632193	787533	942872			
			END	590000				562330	828389	1094449	1360508			
UPS7/A-*/373/C0	80	174	BREAK	916584				1715349	2097535					
			MID	533744				408156	564435					
			END	936144				424697	636507					
UPS7/S-*/373/C2	105	174	BREAK	1375407						1522718	1766114			
			MID	580299						641311	799482			
			END	645928						716745	982811			
UPS7/S-*/371/C4	125	174	BREAK	1006463						106745	1240426	1686838		
			MID	446042						458337	572095	856492		
			END	528523						528905	724099	1212083		
UPS7/A-*/371/C4	105	174	BREAK	869055						1667377	1947777			
			MID	49722						384833	502913			
			END	838520						398133	553467			
UPS7/S-*/372/C4	125	174	BREAK	1005799				874409	1077383	1280357	1483331	1990766		
			MID	445591				334606	465561	596516	727471	1054859		
			END	527726				324020	454838	767656	989474	1544019		
UPS7/A-*/372/C4	90	174	BREAK	868480					1691695	2010295				
			MID	497324					396852	528174				
			END	837290					411602	588141				
UPS7/S-*/373/C4	105	174	BREAK	1004560				1156698	1400118	1643538	1886958			
			MID	444839				519402	674131	828861	983590			
			END	526443				632545	898666	1164786	1430907			
UPS7/A-*/373/C4	75	174	BREAK	876506				1846184						
			MID	496527				472268						
			END	835334				515496						

MOP= Max Operating Pressure  
 MAWP = Max. Allowable Working Pressure