1.1	BLOW-OUT PREVENTERS (I.E., COOPERATING SEGMENTS OF	30.05	Fluid pressure sole means for biasing valve closed
1.2	ANNULUS)	31	Double or oppositely acting motor units
1.3	.Deformable annulus .Radial reciprocating ram	32	Latched pilot valve
3	PATTERN TRACER CONTROLLED	33	Choked pressure type servo
3	ACTUATOR		motor
4	TUBE COMPRESSORS	34	With reverse flow prevenging
5	.Fluid pressure actuated		(nonsiphoning)
6	.Roller tube contacting element	35	Variable choke passage
7	.Perpendicularly reciprocating		according to valve position
,	tube contacting element	36	With separate dashpot or
8	Screw actuated		choked fluid retarding chamber
9	.Pivoting tube contacting element	37	With choke or restrictor in
10	U-shaped resilient bar or rod		main line
11	HEAT OR BUOYANCY MOTOR ACTUATED	38	Pilot valve seated in motor or
12	FLUID ACTUATED OR RETARDED		valve element
14	.Fluid and non-fluid actuators	39	Controls inlet to choke
15	.Compulsory cut-off after flow		chamber
13	period	40	Tilting pilot valve
16	Serial main line cut-off and	41	Remote pilot valve actuation
10	manual valves (e.g., hydraulic	42	Adjustable opening limit for
	"fuses")		main valve
17	Interconnected motion	43	Main valve biased open by line
18	Manual and pilot valves		pressure
19	Auxiliary pilot valve overrides	44	Differential reaction surface
	a first pilot valve		for line pressure
20	Forced return of actuator to	45	Diaphragm or bellows surface
	cut-off position	46	Diaphragm or bellows motor
21	Actuator connection released on		element
	opening of cut-off valve	47	With separate dashpot or choked
22	Control fluid released into		fluid retarder
	closed build-up chamber	48	.Dashpot or fluid controlled
23	Dashpot interconnects actuator		retarder or timer
	and valve	49	Latch or trip releasing
24	.Venturi or line flow effect	50	Line pressure connected dashpot
	assisted	- 1	or choke chamber
25	.Pilot or servo type motor	51	With choke by-pass or relief
26	Alternative pressure sources or	E 2	means
	pilot valve	52	Chamber fills on closing of
27	Servo failure responsive	53	main valve
	control of main valve	33	Line connected open
28	Fluid actuated pilot valve	54	accumulating chamberClosed fluid circuit dashpot or
29	With additional pilot valve	24	choke chamber
	control	55	With choke by-pass or relief
30.01	Electrically actuated pilot	55	means
	valve	56	.Plural operations (e.g., lifting
30.02	Main valve biased closed by	50	and rotating rotary valve)
20 02	fluid pressure	57	.Fluid link or column actuator
30.03	Venting passage within	58	.With mechanical movement between
20 04	movable main valve		actuator and valve
30.04	Pilot valve movably mounted	59	.Rotary or oscillatory motor
	within or around main valve		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

60		0.6	
60	.With adjustable limit stop for	86	.With universal connection
C1	actuator	87	.With single plane swing pivoted
61	.Flexible wall expansible chamber	0.0	connection
<i>c</i> 1	reciprocating valve actuator	88	.Rotatable only
61.1	Flexible wall valves fluid	89	WITH MEANS FOR BLOCKING OR
61.2	Coaxial actuator, seat and		DISABLING ACTUATOR
	valve	89.5	.Actuator, or blocking means,
61.3	Valve between coaxial spring		includes flow path joint
	biasing means and actuator	90	.Attachments
61.4	Coaxial spring biasing means	91	Requiring modification of valve
	between valve and actuator	92	Acting on valve limit stop
61.5	Actuator wall between valve	93	Mounted on valve actuator
	and coaxial spring biasing	94	.Fluid pressure biased latch
	means	95	.Released by non-valving actuator
62	.Piston type expansible chamber		motion
	reciprocating valve actuator	96	Linear reciprocation of rotary
63	Unitary piston and valve		handle
63.4	Lost motion, abutment or	97	Latch connects actuator to
	resilient connection between		body through head
	actuator and valve	98	Pivoted handle
63.5	Coaxial actuator, seat and	99	With spring
	valve	100	Rotation of reciprocating
63.6	Coaxial spring biasing means		handle
	between valve and actuator	101	.Latch manipulator mounted on
64	WITH NON-FLUID RETARDER		handle or stem
65	PERMANENT OR CONSTANTLY ENERGIZED	102	Constrained linear motion
	MAGNET ACTUATOR	103	With pivoted latch
66	BIASED TRIP	104	With latch rigidly associated
67	.With second diverse control		with manipulator
68	.Electrical trip actuation	105	Latch lug extends
69	Trip operated on failure of		transversely to axis of
	electric power		manipulator
70	With electrical resetting means	106	With transversely movable
71	Rotary electric motor		latch
72	.Weight biased trip	107	With pivoted latch
73	.Fluid pressure trip actuation	108	Resilient latch and
74	.Mechanical movement trip		manipulator
	actuation	109	With spring
75	WITH SNAP ACTION	110	With reciprocating latch
76	IMPACT TYPE ACTUATOR	111	.Latch manipulator mounted on
77	LOST MOTION BETWEEN ACTUATOR AND		valve body
	VALVE	112	Set screw
78	.Lever	113	Constrained linear motion of
79	.Overload release		latch with rigidly associated
80	Elastic		manipulator
81	Slip coupling between actuator	114	With pivoted latch
	and valve	115	Resilient latch and
82	.Check valve with external		manipulator
	opening and closing means	116	With spring
83	Spring	117	WITH RESTRICTOR IN PARALLEL TO
84	VALVE HEAD MOVABLY CONNECTED FOR		MAIN VALVE
	ACCOMMODATION TO SEAT	118	WITH MATERIAL GUIDE OR RESTRICTOR
85	.With yieldable connection	119	.Aspirated stem drain

120	.Movable or resilient guide or	149.4	Joint includes screw thimble
	restrictor	149.5	Of rotatable flow path section
121	Adjustable guide or restrictor	149.6	Motion opposed by valve spring
122	Tapered metering plug	149.7	Contact only, or friction,
123	.Valve at point of greatest		joint
	restriction	149.8	.Valve operated by motion of flow
124	Venturi restrictor		path
125	.Drop forming restrictor	149.9	.Flow path joint interlocked with
126	.Spiral guide or spiral		valve or actuator
	restrictor	144	.Tank
127	.Baffle or zigzag flow restrictor	145	.Pipe side
128	WITH DETACHABLE ACTUATOR AND	146	Clamp type coupling
	MEANS TO PREVENT LEAKAGE WHEN	147	.Pipe end (terminal valve)
	ACTUATOR IS DETACHED	148	.Pipe coupling or union
129.01	ELECTRICALLY ACTUATED VALVE	150	Flexible or expansible
129.02	.With means to bias valve open	151	Non-rotatable conduit coupling
129.03	.With nonelectrical actuator	152	Valve seat and coupling element
129.04	.Remote or follow-up control		removable as a unit
	system for electrical actuator	143	.With mounting or support
129.05	.Having means to produce digital	153	.With particular outlet or inlet
	pulses	154	Fluid deflecting means at
129.06	.Having element dimensionally		outlet
	responsive to field	155	Nozzle or spout
129.07	.Balanced valve	156	With receptacle accommodating
129.08	.Having means to produce		feature
	proportional flow	157	WITH MEANS TO INCREASE HEAD AND
129.09	.Solenoid having plural coils		SEAT CONTACT PRESSURE
129.1	Coils have common axis	158	.With positive reduction
129.11	.Rotary electric actuator	159	Seat pressed to valve
400 40			
129.12	With limit control	160	Rotary valve
129.13	With speed or braking control	161	Rotary valveIndependent actuation
129.13 129.14	With speed or braking control .Freely rotatable ball valve	161 162	Rotary valveIndependent actuationCam or wedge
129.13 129.14 129.15	With speed or braking control .Freely rotatable ball valve .Including solenoid	161 162 163	Rotary valveIndependent actuationCam or wedgeEncased
129.13 129.14 129.15 129.16	With speed or braking control.Freely rotatable ball valve.Including solenoidHaving plate-shaped armature	161 162 163 164	Rotary valveIndependent actuationCam or wedgeEncasedScrew
129.13 129.14 129.15	With speed or braking control.Freely rotatable ball valve.Including solenoidHaving plate-shaped armatureHaving diaphragm between coil	161 162 163 164 165	Rotary valveIndependent actuationCam or wedgeEncasedScrewNon-reciprocating
129.13 129.14 129.15 129.16 129.17	With speed or braking control .Freely rotatable ball valve .Including solenoidHaving plate-shaped armatureHaving diaphragm between coil and opening controlled	161 162 163 164 165 166	<pre>Rotary valveIndependent actuationCam or wedgeEncasedScrewNon-reciprocatingWith slip coupling</pre>
129.13 129.14 129.15 129.16	With speed or braking control .Freely rotatable ball valve .Including solenoidHaving plate-shaped armatureHaving diaphragm between coil and opening controlledWith means to adjust stroke of	161 162 163 164 165 166 167	Rotary valveIndependent actuationCam or wedgeEncasedScrewNon-reciprocatingWith slip couplingBifaced
129.13 129.14 129.15 129.16 129.17	With speed or braking control .Freely rotatable ball valve .Including solenoidHaving plate-shaped armatureHaving diaphragm between coil and opening controlledWith means to adjust stroke of armature	161 162 163 164 165 166 167 168	Rotary valveIndependent actuationCam or wedgeEncasedScrewNon-reciprocatingWith slip couplingBifacedScrew
129.13 129.14 129.15 129.16 129.17	With speed or braking control .Freely rotatable ball valve .Including solenoidHaving plate-shaped armatureHaving diaphragm between coil and opening controlledWith means to adjust stroke of armatureLost motion between valve and	161 162 163 164 165 166 167 168 169	Rotary valveIndependent actuationCam or wedgeEncasedScrewNon-reciprocatingWith slip couplingBifacedScrewToggle
129.13 129.14 129.15 129.16 129.17 129.18	With speed or braking control .Freely rotatable ball valve .Including solenoidHaving plate-shaped armatureHaving diaphragm between coil and opening controlledWith means to adjust stroke of armatureLost motion between valve and valve actuator	161 162 163 164 165 166 167 168 169 170	Rotary valveIndependent actuationCam or wedgeEncasedScrewNon-reciprocatingWith slip couplingBifacedScrewToggle .Seat pressed to valve
129.13 129.14 129.15 129.16 129.17	With speed or braking control .Freely rotatable ball valve .Including solenoidHaving plate-shaped armatureHaving diaphragm between coil and opening controlledWith means to adjust stroke of armatureLost motion between valve and valve actuatorMechanical movement between	161 162 163 164 165 166 167 168 169 170	Rotary valveIndependent actuationCam or wedgeEncasedScrewNon-reciprocatingWith slip couplingBifacedScrewToggle .Seat pressed to valvePacking presed by gland
129.13 129.14 129.15 129.16 129.17 129.18 129.19	With speed or braking control .Freely rotatable ball valve .Including solenoidHaving plate-shaped armatureHaving diaphragm between coil and opening controlledWith means to adjust stroke of armatureLost motion between valve and valve actuatorMechanical movement between valve and solenoid	161 162 163 164 165 166 167 168 169 170 171	Rotary valveIndependent actuationCam or wedgeEncasedScrewNon-reciprocatingWith slip couplingBifacedScrewToggle .Seat pressed to valvePacking presed by glandFluid pressure
129.13 129.14 129.15 129.16 129.17 129.18	With speed or braking control .Freely rotatable ball valve .Including solenoidHaving plate-shaped armatureHaving diaphragm between coil and opening controlledWith means to adjust stroke of armatureLost motion between valve and valve actuatorMechanical movement between valve and solenoidCoil surrounds valve port or	161 162 163 164 165 166 167 168 169 170 171 172 173	Rotary valveIndependent actuationCam or wedgeEncasedScrewNon-reciprocatingWith slip couplingBifacedScrewToggle .Seat pressed to valvePacking presed by glandFluid pressureButterfly valve
129.13 129.14 129.15 129.16 129.17 129.18 129.19 129.2	With speed or braking control .Freely rotatable ball valve .Including solenoidHaving plate-shaped armatureHaving diaphragm between coil and opening controlledWith means to adjust stroke of armatureLost motion between valve and valve actuatorMechanical movement between valve and solenoidCoil surrounds valve port or flow line	161 162 163 164 165 166 167 168 169 170 171 172 173 174	Rotary valveIndependent actuationCam or wedgeEncasedScrewNon-reciprocatingWith slip couplingBifacedScrewToggle .Seat pressed to valvePacking presed by glandFluid pressureButterfly valveSpring
129.13 129.14 129.15 129.16 129.17 129.18 129.19 129.2 129.21	With speed or braking control .Freely rotatable ball valve .Including solenoidHaving plate-shaped armatureHaving diaphragm between coil and opening controlledWith means to adjust stroke of armatureLost motion between valve and valve actuatorMechanical movement between valve and solenoidCoil surrounds valve port or flow lineSolenoid within flow line	161 162 163 164 165 166 167 168 169 170 171 172 173 174 175	Rotary valveIndependent actuationCam or wedgeEncasedScrewNon-reciprocatingWith slip couplingBifacedScrewToggle .Seat pressed to valvePacking presed by glandFluid pressureButterfly valveSpring .Fluid pressure
129.13 129.14 129.15 129.16 129.17 129.18 129.2 129.2 129.2	With speed or braking control .Freely rotatable ball valve .Including solenoidHaving plate-shaped armatureHaving diaphragm between coil and opening controlledWith means to adjust stroke of armatureLost motion between valve and valve actuatorMechanical movement between valve and solenoidCoil surrounds valve port or flow lineSolenoid within flow line WITH CORRELATED FLOW PATH	161 162 163 164 165 166 167 168 169 170 171 172 173 174 175	Rotary valveIndependent actuationCam or wedgeEncasedScrewNon-reciprocatingWith slip couplingBifacedScrewToggle .Seat pressed to valvePacking presed by glandFluid pressureButterfly valveSpring .Fluid pressureSpring
129.13 129.14 129.15 129.16 129.17 129.18 129.19 129.2 129.21	With speed or braking control .Freely rotatable ball valve .Including solenoidHaving plate-shaped armatureHaving diaphragm between coil and opening controlledWith means to adjust stroke of armatureLost motion between valve and valve actuatorMechanical movement between valve and solenoidCoil surrounds valve port or flow lineSolenoid within flow line WITH CORRELATED FLOW PATH .Valve operated by joining flow	161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177	Rotary valveIndependent actuationCam or wedgeEncasedScrewNon-reciprocatingWith slip couplingBifacedScrewToggle .Seat pressed to valvePacking presed by glandFluid pressureButterfly valveSpring .Fluid pressureSpringPivoted valve
129.13 129.14 129.15 129.16 129.17 129.18 129.2 129.2 129.21 129.21 129.22 142 149	With speed or braking control .Freely rotatable ball valve .Including solenoidHaving plate-shaped armatureHaving diaphragm between coil and opening controlledWith means to adjust stroke of armatureLost motion between valve and valve actuatorMechanical movement between valve and solenoidCoil surrounds valve port or flow lineSolenoid within flow line WITH CORRELATED FLOW PATH .Valve operated by joining flow path sections	161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177	Rotary valveIndependent actuationCam or wedgeEncasedScrewNon-reciprocatingWith slip couplingBifacedScrewToggle .Seat pressed to valvePacking presed by glandFluid pressureButterfly valveSpring .Fluid pressureSpring .Fluid pressureSpringPivoted valveBifaced
129.13 129.14 129.15 129.16 129.17 129.18 129.2 129.2 129.2	With speed or braking control .Freely rotatable ball valve .Including solenoidHaving plate-shaped armatureHaving diaphragm between coil and opening controlledWith means to adjust stroke of armatureLost motion between valve and valve actuatorMechanical movement between valve and solenoidCoil surrounds valve port or flow lineSolenoid within flow line WITH CORRELATED FLOW PATH .Valve operated by joining flow path sectionsJoining motion includes linear	161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178	Rotary valveIndependent actuationCam or wedgeEncasedScrewNon-reciprocatingWith slip couplingBifacedScrewToggle .Seat pressed to valvePacking presed by glandFluid pressureButterfly valveSpring .Fluid pressureSpring .Fluid pressureSpringPivoted valveBifacedTerminal
129.13 129.14 129.15 129.16 129.17 129.18 129.2 129.2 129.2 149.21	With speed or braking control .Freely rotatable ball valve .Including solenoidHaving plate-shaped armatureHaving diaphragm between coil and opening controlledWith means to adjust stroke of armatureLost motion between valve and valve actuatorMechanical movement between valve and solenoidCoil surrounds valve port or flow lineSolenoid within flow line WITH CORRELATED FLOW PATH .Valve operated by joining flow path sectionsJoining motion includes linear valve operating component	161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180	Rotary valveIndependent actuationCam or wedgeEncasedScrewNon-reciprocatingWith slip couplingBifacedScrewToggle .Seat pressed to valvePacking presed by glandFluid pressureButterfly valveSpring .Fluid pressureSpring .Fluid pressureSpringPivoted valveBifacedTerminalRotary valve
129.13 129.14 129.15 129.16 129.17 129.18 129.2 129.2 129.21 129.21 129.22 142 149	With speed or braking control .Freely rotatable ball valve .Including solenoidHaving plate-shaped armatureHaving diaphragm between coil and opening controlledWith means to adjust stroke of armatureLost motion between valve and valve actuatorMechanical movement between valve and solenoidCoil surrounds valve port or flow lineSolenoid within flow line WITH CORRELATED FLOW PATH .Valve operated by joining flow path sectionsJoining motion includes linear valve operating componentValve rotatably or hingedly	161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181	Rotary valveIndependent actuationCam or wedgeEncasedScrewNon-reciprocatingWith slip couplingBifacedScrewToggle .Seat pressed to valvePacking presed by glandFluid pressureButterfly valveSpring .Fluid pressure .Spring .Fluid pressure .SpringPivoted valveBifacedTerminalRotary valvePlug
129.13 129.14 129.15 129.16 129.17 129.18 129.2 129.2 129.2 149.2 149.1 149.1	With speed or braking control .Freely rotatable ball valve .Including solenoidHaving plate-shaped armatureHaving diaphragm between coil and opening controlledWith means to adjust stroke of armatureLost motion between valve and valve actuatorMechanical movement between valve and solenoidCoil surrounds valve port or flow lineSolenoid within flow line WITH CORRELATED FLOW PATH .Valve operated by joining flow path sectionsJoining motion includes linear valve operating componentValve rotatably or hingedly mounted	161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182	Rotary valveIndependent actuationCam or wedgeEncasedScrewNon-reciprocatingWith slip couplingBifacedScrewToggle .Seat pressed to valvePacking presed by glandFluid pressureButterfly valveSpring .Fluid pressure .Spring .Fluid pressure .SpringPivoted valveBifacedTerminalRotary valvePlugExpanding
129.13 129.14 129.15 129.16 129.17 129.18 129.2 129.2 129.2 149.21	With speed or braking control .Freely rotatable ball valve .Including solenoidHaving plate-shaped armatureHaving diaphragm between coil and opening controlledWith means to adjust stroke of armatureLost motion between valve and valve actuatorMechanical movement between valve and solenoidCoil surrounds valve port or flow lineSolenoid within flow line WITH CORRELATED FLOW PATH .Valve operated by joining flow path sectionsJoining motion includes linear valve operating componentValve rotatably or hingedly mountedValve motion is transverse to,	161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183	Rotary valveIndependent actuationCam or wedgeEncasedScrewNon-reciprocatingWith slip couplingBifacedScrewToggle .Seat pressed to valvePacking presed by glandFluid pressureButterfly valveSpring .Fluid pressure .Spring .Fluid pressure .SpringPivoted valveBifacedTerminalRotary valvePlugExpandingEncased
129.13 129.14 129.15 129.16 129.17 129.18 129.2 129.2 129.2 149.2 149.1 149.1	With speed or braking control .Freely rotatable ball valve .Including solenoidHaving plate-shaped armatureHaving diaphragm between coil and opening controlledWith means to adjust stroke of armatureLost motion between valve and valve actuatorMechanical movement between valve and solenoidCoil surrounds valve port or flow lineSolenoid within flow line WITH CORRELATED FLOW PATH .Valve operated by joining flow path sectionsJoining motion includes linear valve operating componentValve rotatably or hingedly mounted	161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182	Rotary valveIndependent actuationCam or wedgeEncasedScrewNon-reciprocatingWith slip couplingBifacedScrewToggle .Seat pressed to valvePacking presed by glandFluid pressureButterfly valveSpring .Fluid pressure .Spring .Fluid pressure .SpringPivoted valveBifacedTerminalRotary valvePlugExpanding

185	Spring in fluid	224	Sleeve flange mounted between
186	Piston		body and bonnet
187	.Separate actuators or actuator	225	Threads in removable sleeve
	motion	226	Biased
188	Rotary valve	227	Spring
189	Piston with expansible packing	228	.With pivoted valves
190	.Piston	229	.Plural dissimilar mechanical
		229	
191	Packing expands with closing	020	movements
192	.Rotary valve	230	.Ratchet
193	.Gate valve	231	.Lever
194	Screw sole actuator of expander	232	Train (plural serial)
	and valve	233	Leverage variable during
195	Bifaced		operation
196	In both closed and open	234	Adjustable leverage
	positions	235	Swiveled
197	Faces pressed by subsequently	236	Biased
	movable expander	237	Sliding contact
198	With second expander	238	Spring
199	-		
199	Face element directly	239	Spring co-axial with valve
	contacts casing		arm
200	Carried expander contacts	240	Spring stop on valve stem
	valve casing	241	Spring abuts valve stem
201	Pivoting expander		guide
202	Faces or carrier contact	242	Spring
	stationary expander	243	Co-acts with lever
203	Cam or wedge	244	Co-axial with valve stem
204	Moves with respect to head and	245	Spring stop on valve stem
	seat	246	Spring abuts valve stem
205	WITH SELECTIVE FLOW REGULATION		
		247	guide
205 206	.Different sized bores in valve	247	guide Weight
206	.Different sized bores in valve head	248	guide Weight .Gear
206 207	.Different sized bores in valve headRotary plug	248 249	guideWeight .GearMutilated or Geneva gearing
206 207 208	.Different sized bores in valve head.Rotary plug.Rotary	248 249 249.5	guideWeight .GearMutilated or Geneva gearingWorm type
206 207 208 209	.Different sized bores in valve headRotary plug .RotaryPlug	248 249 249.5 250	guideWeight .GearMutilated or Geneva gearingWorm typeRectilinear rack
206 207 208	.Different sized bores in valve headRotary plug .RotaryPlug SEQUENTIAL OPENING OR CLOSING OF	248 249 249.5 250	guideWeight .GearMutilated or Geneva gearingWorm typeRectilinear rackMating segments
206 207 208 209	.Different sized bores in valve headRotary plug .RotaryPlug SEQUENTIAL OPENING OR CLOSING OF SERIAL PORTS IN SINGLE FLOW	248 249 249.5 250 250.5 251	guideWeight .GearMutilated or Geneva gearingWorm typeRectilinear rackMating segments .Cam
206 207 208 209 210	.Different sized bores in valve headRotary plug .RotaryPlug SEQUENTIAL OPENING OR CLOSING OF SERIAL PORTS IN SINGLE FLOW LINE (E.G., ANTI-SCORING)	248 249 249.5 250 250.5 251 252	guideWeight .GearMutilated or Geneva gearingWorm typeRectilinear rackMating segments .CamCo-axial or parallel axes
206 207 208 209	.Different sized bores in valve headRotary plug .RotaryPlug SEQUENTIAL OPENING OR CLOSING OF SERIAL PORTS IN SINGLE FLOW	248 249 249.5 250 250.5 251	guideWeight .GearMutilated or Geneva gearingWorm typeRectilinear rackMating segments .Cam
206 207 208 209 210	.Different sized bores in valve headRotary plug .RotaryPlug SEQUENTIAL OPENING OR CLOSING OF SERIAL PORTS IN SINGLE FLOW LINE (E.G., ANTI-SCORING) SERIAL ALTERNATELY CLOSED PORTS RELATIVELY MOVABLE VALVE ELEMENTS	248 249 249.5 250 250.5 251 252	guideWeight .GearMutilated or Geneva gearingWorm typeRectilinear rackMating segments .CamCo-axial or parallel axes
206 207 208 209 210	.Different sized bores in valve headRotary plug .RotaryPlug SEQUENTIAL OPENING OR CLOSING OF SERIAL PORTS IN SINGLE FLOW LINE (E.G., ANTI-SCORING) SERIAL ALTERNATELY CLOSED PORTS RELATIVELY MOVABLE VALVE ELEMENTS FORM SINGLE PORT CLOSURE	248 249.5 250 250.5 251 252 253	guideWeight .GearMutilated or Geneva gearingWorm typeRectilinear rackMating segments .CamCo-axial or parallel axesBiased
206 207 208 209 210 211 212	.Different sized bores in valve headRotary plug .RotaryPlug SEQUENTIAL OPENING OR CLOSING OF SERIAL PORTS IN SINGLE FLOW LINE (E.G., ANTI-SCORING) SERIAL ALTERNATELY CLOSED PORTS RELATIVELY MOVABLE VALVE ELEMENTS	248 249.5 250 250.5 251 252 253 254	guideWeight .GearMutilated or Geneva gearingWorm typeRectilinear rackMating segments .CamCo-axial or parallel axesBiasedBi-directional
206 207 208 209 210	.Different sized bores in valve headRotary plug .RotaryPlug SEQUENTIAL OPENING OR CLOSING OF SERIAL PORTS IN SINGLE FLOW LINE (E.G., ANTI-SCORING) SERIAL ALTERNATELY CLOSED PORTS RELATIVELY MOVABLE VALVE ELEMENTS FORM SINGLE PORT CLOSURE	248 249.5 250.5 251.252 253.254 255	guideWeight .GearMutilated or Geneva gearingWorm typeRectilinear rackMating segments .CamCo-axial or parallel axesBiasedBi-directionalNon-reciprocating
206 207 208 209 210 211 212	.Different sized bores in valve headRotary plug .RotaryPlug SEQUENTIAL OPENING OR CLOSING OF SERIAL PORTS IN SINGLE FLOW LINE (E.G., ANTI-SCORING) SERIAL ALTERNATELY CLOSED PORTS RELATIVELY MOVABLE VALVE ELEMENTS FORM SINGLE PORT CLOSURE (E.G., IRIS DIAPHRAGM)	248 249.5 250 250.5 251 252 253 254 255 256 257	guideWeight .GearMutilated or Geneva gearingWorm typeRectilinear rackMating segments .CamCo-axial or parallel axesBiasedBi-directionalNon-reciprocatingEncased
206 207 208 209 210 211 212	.Different sized bores in valve headRotary plug .RotaryPlug SEQUENTIAL OPENING OR CLOSING OF SERIAL PORTS IN SINGLE FLOW LINE (E.G., ANTI-SCORING) SERIAL ALTERNATELY CLOSED PORTS RELATIVELY MOVABLE VALVE ELEMENTS FORM SINGLE PORT CLOSURE (E.G., IRIS DIAPHRAGM) MECHANICAL MOVEMENT ACTUATOR	248 249.5 250 250.5 251 252 253 254 255 256 257 258	guideWeight .GearMutilated or Geneva gearingWorm typeRectilinear rackMating segments .CamCo-axial or parallel axesBiasedBi-directionalNon-reciprocatingEncasedEncased with sealBi-directional
206 207 208 209 210 211 212 213 214	.Different sized bores in valve headRotary plug .RotaryPlug SEQUENTIAL OPENING OR CLOSING OF SERIAL PORTS IN SINGLE FLOW LINE (E.G., ANTI-SCORING) SERIAL ALTERNATELY CLOSED PORTS RELATIVELY MOVABLE VALVE ELEMENTS FORM SINGLE PORT CLOSURE (E.G., IRIS DIAPHRAGM) MECHANICAL MOVEMENT ACTUATOR .Particularly packed or sealed .Plural motions of valve	248 249 249.5 250 250.5 251 252 253 254 255 256 257 258 259	guideWeight .GearMutilated or Geneva gearingWorm typeRectilinear rackMating segments .CamCo-axial or parallel axesBiasedBi-directionalNon-reciprocatingEncasedEncased with sealBi-directionalCam is finger-like extension
206 207 208 209 210 211 212 213 214 215 216	.Different sized bores in valve headRotary plug .RotaryPlug SEQUENTIAL OPENING OR CLOSING OF SERIAL PORTS IN SINGLE FLOW LINE (E.G., ANTI-SCORING) SERIAL ALTERNATELY CLOSED PORTS RELATIVELY MOVABLE VALVE ELEMENTS FORM SINGLE PORT CLOSURE (E.G., IRIS DIAPHRAGM) MECHANICAL MOVEMENT ACTUATOR .Particularly packed or sealed .Plural motions of valveScrew threads in flow path	248 249.5 250 250.5 251 252 253 254 255 256 257 258 259 260	guideWeight .GearMutilated or Geneva gearingWorm typeRectilinear rackMating segments .CamCo-axial or parallel axesBiasedBi-directionalNon-reciprocatingEncasedEncased with sealBi-directionalCam is finger-like extensionOverhung crank type
206 207 208 209 210 211 212 213 214 215	.Different sized bores in valve headRotary plug .RotaryPlug SEQUENTIAL OPENING OR CLOSING OF SERIAL PORTS IN SINGLE FLOW LINE (E.G., ANTI-SCORING) SERIAL ALTERNATELY CLOSED PORTS RELATIVELY MOVABLE VALVE ELEMENTS FORM SINGLE PORT CLOSURE (E.G., IRIS DIAPHRAGM) MECHANICAL MOVEMENT ACTUATOR .Particularly packed or sealed .Plural motions of valve	248 249.5 250 250.5 251 252 253 254 255 256 257 258 259 260 261	guideWeight .GearMutilated or Geneva gearingWorm typeRectilinear rackMating segments .CamCo-axial or parallel axesBiasedBi-directionalNon-reciprocatingEncasedEncased with sealBi-directionalCam is finger-like extensionOverhung crank typeCenter crank type
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206 207 208 209 210 211 212 213 214 215 216 217 218 219 220	.Different sized bores in valve headRotary plug .RotaryPlug SEQUENTIAL OPENING OR CLOSING OF SERIAL PORTS IN SINGLE FLOW LINE (E.G., ANTI-SCORING) SERIAL ALTERNATELY CLOSED PORTS RELATIVELY MOVABLE VALVE ELEMENTS FORM SINGLE PORT CLOSURE (E.G., IRIS DIAPHRAGM) MECHANICAL MOVEMENT ACTUATOR .Particularly packed or sealed .Plural motions of valveScrew threads in flow pathValve head between actuator and screwEncasedThreadlessly coupled to screwCoupling socket in screw	248 249.5 250 250.5 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265	guideWeight .GearMutilated or Geneva gearingWorm typeRectilinear rackMating segments .CamCo-axial or parallel axesBiasedBi-directionalNon-reciprocatingEncasedEncased with sealBi-directionalCam is finger-like extensionOverhung crank typeCenter crank typeBiasedSpring .ScrewPlural thread
206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221	.Different sized bores in valve headRotary plug .RotaryPlug SEQUENTIAL OPENING OR CLOSING OF SERIAL PORTS IN SINGLE FLOW LINE (E.G., ANTI-SCORING) SERIAL ALTERNATELY CLOSED PORTS RELATIVELY MOVABLE VALVE ELEMENTS FORM SINGLE PORT CLOSURE (E.G., IRIS DIAPHRAGM) MECHANICAL MOVEMENT ACTUATOR .Particularly packed or sealed .Plural motions of valveScrew threads in flow pathValve head between actuator and screwEncasedThreadlessly coupled to screwCoupling socket in screwThreads in removable sleeve	248 249.5 250 250.5 251 252 253 254 255 256 257 258 259 260 261 262 263 264	guideWeight .GearMutilated or Geneva gearingWorm typeRectilinear rackMating segments .CamCo-axial or parallel axesBiasedBi-directionalNon-reciprocatingEncasedEncased with sealBi-directionalCam is finger-like extensionOverhung crank typeCenter crank typeBiasedSpring .Screw
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206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222	.Different sized bores in valve headRotary plug .RotaryPlug SEQUENTIAL OPENING OR CLOSING OF SERIAL PORTS IN SINGLE FLOW LINE (E.G., ANTI-SCORING) SERIAL ALTERNATELY CLOSED PORTS RELATIVELY MOVABLE VALVE ELEMENTS FORM SINGLE PORT CLOSURE (E.G., IRIS DIAPHRAGM) MECHANICAL MOVEMENT ACTUATOR .Particularly packed or sealed .Plural motions of valveScrew threads in flow pathValve head between actuator and screwEncasedThreadlessly coupled to screwCoupling socket in screwCoupling socket in screwThreads in removable sleeveSleeve removably in bonnet	248 249 249.5 250 250.5 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267	guideWeight .GearMutilated or Geneva gearingWorm typeRectilinear rackMating segments .CamCo-axial or parallel axesBiasedBi-directionalNon-reciprocatingEncasedEncased with sealBi-directionalCam is finger-like extensionOverhung crank typeCenter crank typeSpring .ScrewPlural threadNon-reciprocating actuatorInternal thread

270	Removable guide	315.05	Nonmetallic
271	Resiliently mounted actuator	315.06	Having a swinging actuator
272	Biased	315.07	Eccentric seating
273	Internal thread	315.08	Including trunnion opposite
274	Encased		axially extending actuating
275	Biased		means
276	Spring	315.09	With removable trunnion cover
277	Biased	315.1	Housing construction
278	Spring	315.11	Head removable perpendicular
279	.Linkage		to flow passage
280	Toggle	315.12	\ldots At the actuator side (i.e.,
281	BALANCED VALVES		top entry)
282	.Reciprocating	315.13	Assembled around the head
283	.Rotary	315.14	Head removable along one side
284	LIMIT STOP		of flow passage
285	.Adjustable	315.15	Having inseparable head
286	.Rotary valve	315.16	Ball construction
287	Stop element on head	314	.Seat or interface seal
288	Stop element on actuator	316	Replaceable
289	VALVE ACTUABLE FROM PLURAL	317	Deformable material
	POSITIONS	317.01	Carried by head
290	PLURAL SELECTIVE NEUTRAL	318	RECIPROCATING VALVE
	POSITIONS FOR VALVE OR	319	.Push or pull operator
	ACTUATOR	320	Biased
291	DETACHABLE ACTUATOR	321	Spring
292	.Rotary valve	322	Spring stop on valve stem
293	EXTENSION FOR ACTUATOR	323	Spring abuts valve stem guide
294	FLEXIBLE ACTUATOR (E.G., BOWDEN	324	.Piston
	WIRE; CHAIN)	325	With internal flow passage
295	PEDAL ACTUATOR	326	.Gate
296	PLURAL MOTIONS OF ACTUATOR	327	Bifaced
297	WITH FRICTION DETENT	328	Seats
298	PIVOTED VALVES	329	Bodies
299	.Terminal	330	.Actuator controlled stem seal
300	Gate	331	.Diaphragm
301	.Gate	332	.Diverse material seal at valve
302	Bifaced		interface
303	.Biased	333	.Particular head and seat
304	ROTARY VALVES		cooperation
305	.Butterfly	334	Elastic deformation
306	Head and/or seat packing	335.1	HERMETIC FLEXIBLE WALL SEAL FOR
307	Adjustable		ACTUATOR
308	Head and stem connections	335.2	.Diaphragm
309	.Plug	335.3	.Bellows
310	Axial and radial bore	336	BIASED VALVE
311	Lateral inlet and outlet	337	.Springs and spring retainers
312	Retainer at actuator end	338	.Weight biased
313	.Biased	339	VALVE ACTUATOR EXTENDING THROUGH
315.01	.Ball valve	0.4.5	FLUID INLET OR OUTLET
315.02	Having a particular hardness	340	VALVE ACTUATOR SURROUNDING PIPE,
	(i.e., durometric property)	2.4.4	INLET OR OUTLET
315.03	Of specific material	341	VALVE ACTUATOR IS VALVE CASING OR
315.04	Ceramic (e.g., glass or fired	2.46	EXTENSION THEREOF
	clay)	342	.Jointed or flexible wall

343	.Sleeve valve
344	Flow passage in sleeve
345	Rotary
346	.Plural motions of valve
347	.Reciprocating valve
348	.Biased valve
349	VALVE ACTUATOR IS INLET OR OUTLET
350	.Detachable tip
351	.Plural motions of valve
352	.Rotary
353	.Reciprocating spout
354	.Biased valve
355	WITH ACTUATION LUBRICATING MEANS
356	VALVE
357	.Removable seat engaging element
358	.Reinforced flexible material
359	.Seats
360	Removable
361	Mounted between casing
	sections
362	Compression or tension
	retained
363	With seal
364	Head engaging gasket
365	Retained by seat deformation
366	.Bodies
367	Sectional
368	.Materials
369	MISCELLANEOUS

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	(F G VOTCE COTI.)

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