

standard features

- **Description** PRESSURE SEAL BONNET
OUTSIDE SCREW AND YOKE
RISING STEM
NON RISING HANDWHEEL
INTEGRAL BACK SEAT
WELDED IN SEATS
PARALLEL DISC
- **Design** API 600
ASME B16.34
MSS-SP-144
- **Face to face** ASME B16.10
- **Flanges** ASME B16.5 (2" ÷ 24")
ASME B16.47 (≥ 26")
BW TO ASME B16.25
- **Testing** API 598
EN 12266
- **Rating** ASME B16.34
- **Marking** MSS-SP 25
CE - PED
- **Certificates** EN 10204 – 3.1 / 3.2

PART NAME	WP5xSP	IP5xSP	MP5xSP	WCP5xSP	FP5xSP
1 Body	WCB	WC1	WC6	WC9	CF8M
6 Bonnet	WCB	WC1	WC6	WC9	CF8M
11 Seat Ring	A105 + HF (1)	F6A + HF (1)	F6A + HF (1)	F6A + HF (1)	F316 + HF (1)
12 Wedge seat surfaces	WCB + HF (1)	WC1 + HF (1)	WC6 + HF (1)	WC9 + HF (1)	CF8M + HF (1)
15 Stem	F6A (3)	F6A (3)	F6A (3)	F6A (3)	F316 (3)
16 Back seat (integral)		←	Stellite® (2)	→	
17 Gland	F6A (3)	F6A (3)	F6A (3)	F6A (3)	F316 (3)
18 Gland flange	A105	F316	F316	F316	F316
19 Yoke sleeve		←	B148 9A (4)	→	
7 Yoke	WCB	WC1	WC6	WC9	CF8M
21 Handwheel		←	Steel	→	
20 Handwheel nut		←	A105	→	
50 Bolts	B7	B16	B16	B16	B8
52 Nuts	2H	G7	G7	G7	G8
35 Retainer flange	A 105	A 105	A 105	A 105	F316
36 Segmented retainer ring	F6A	F6A	F6A	F6A	F316
37 Spacer ring	F6A	F6A	F6A	F6A	F316
81 Gasket		←	S.S. Reinforced Graphite (5)	→	
82 Packing		←	Graphite rings & wiper rings	→	
23 Grease nipple		←	Steel	→	
53 Yoke / body bolt	B7	B16	B16	B16	B8
54 Yoke / body nut	2H	G7	G7	G7	G8

(1) On request: faced with Stellite® - Monel® - Hastelloy® - other materials
 (2) On request: faced with Monel® - Hastelloy® - other materials
 (3) On request: 17 Cr - Monel® - Hastelloy® - other materials

(4) On request: Nodular Iron - Nitronic 60
 (5) On request: Metal

FIG. N. P52SP- P.S. GATE VALVES PARALLEL SLIDE ASME CLASS 600

SIZE	2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"
L RF	292	356	432	559	660	787	838	889	991	1092	1194	1397
L RTJ	295	359	435	562	663	791	841	892	994	1095	1200	1407
L BW	178	254	305	457	584	711	813	889	991	1092	1194	1397
V	200	250	400	500	600	700	G.O.	G.O.	G.O.	G.O.	G.O.	G.O.
H	500	550	590	840	970	1160	1300	1500	1780	2000	2150	2400
H1	550	630	690	990	1170	1410	1600	1850	2180	2450	2650	3000

FIG. N. P53SP- P.S. GATE VALVES PARALLEL SLIDE ASME CLASS 900

SIZE	2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"
L RF	368	381	457	610	737	838	965	1029	1130	1219	1321	1549
L RTJ	371	384	460	613	740	841	968	1038	1140	1232	1334	1568
L BW	216	305	356	508	660	787	914	991	1092	1143	1245	1397
V	250	300	400	500	G.O.	G.O.	G.O.	G.O.	G.O.	G.O.	G.O.	G.O.
H	500	550	590	840	970	1250	1350	1580	1900	2050	2200	2500
H1	550	620	690	990	1170	1500	1650	1930	2300	2600	2700	3100

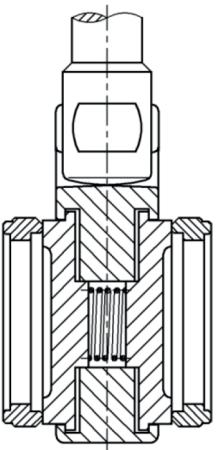
FIG. N. P54SP- P.S. GATE VALVES PARALLEL SLIDE ASME CLASS 1500

SIZE	2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"
L RF	368	470	546	705	832	991	1130	1257	1384	1537	1664	1943
L RTJ	371	473	549	711	842	1000	1146	1276	1407	1559	1686	1972
L BW	216	305	406	559	711	864	991	1067	1194	1346	1473	1943
V	250	400	600	G.O.	G.O.	G.O.	G.O.	G.O.	G.O.	G.O.	G.O.	G.O.
H	500	550	590	840	970	1250	1350	1780	2000	2200	2400	2600
H1	550	630	690	990	1170	1500	1700	2130	2400	2650	2900	3200

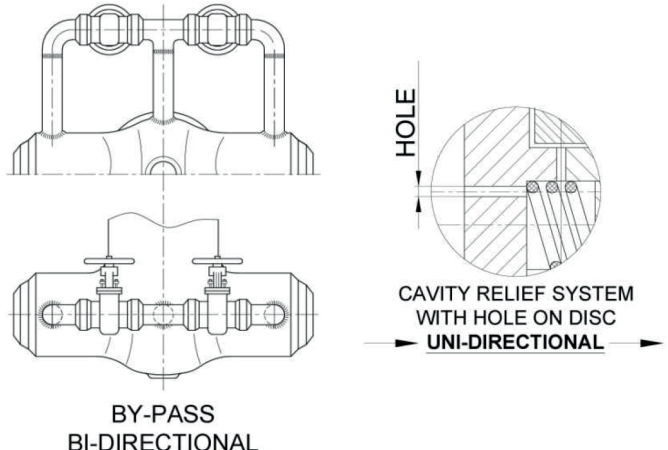
FIG. N. P55SP- P.S. GATE VALVES PARALLEL SLIDE ASME CLASS 2500

SIZE	2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"
L RF	451	578	673	914	1022	1270	1422	-	-	-	-	-
L RTJ	454	584	683	927	1038	1292	1445	-	-	-	-	-
L BW	279	368	457	610	762	914	1041	1118	1245	1397	1524	1676
V	300	500	700	G.O.	G.O.	G.O.	G.O.	G.O.	G.O.	G.O.	G.O.	G.O.
H	500	550	600	860	1000	1330	1480	1860	2090	2350	2650	2800
H1	550	630	690	1010	1200	1580	1780	2210	2490	2800	3150	3400

PARALLEL DISC



BY-PASS & RELIEF SYSTEM SCHEMES (EXAMPLE)



BY-PASS
BI-DIRECTIONAL

HOLE
CAVITY RELIEF SYSTEM
WITH HOLE ON DISC
UNI-DIRECTIONAL

features on request

- TOP FLANGE TO ISO 5210
- GEAR OPERATOR
- CHAIN WHEEL OPERATOR
- PNEUMATIC ACTUATOR
- HYDRAULIC ACTUATOR
- ELECTRIC ACTUATOR
- POSITION INDICATOR
- LIMIT SWITCHES
- LOCKING / INTERLOCK SYSTEM
- PTFE SOFT SEATS
- STEM PROTECTION
- STEM EXTENSION
- LANTERN RING
- EXTENDED STUFFING BOX
- LIVE LOADED PACKING
- DRAIN PLUG
- BY PASS

All dimensions in mm (except where differently indicated)

All data, subject to technical changes, are only for information and not for official use.