

FORGED STEEL STOP-CHECK (SDNR), BONNETLESS - FIG 03.1

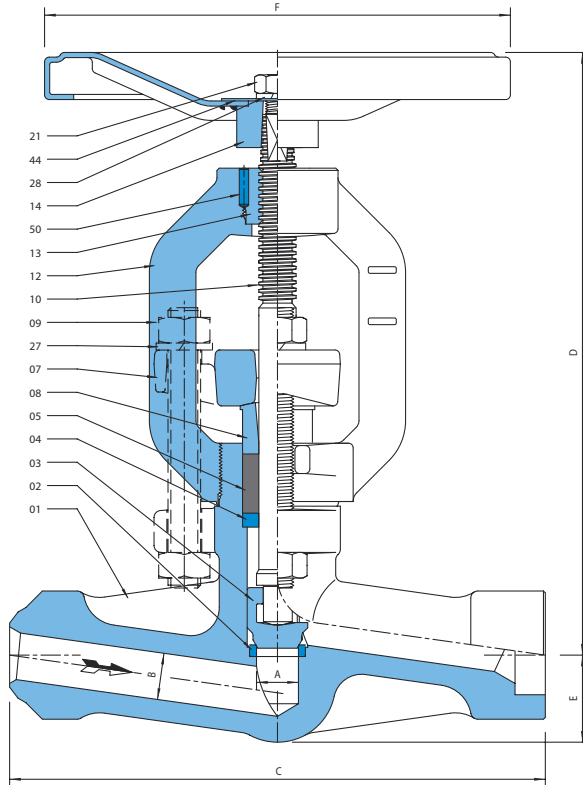
ASME CLASS 1500 / 2500 (4500)
 API CLASS 6.000 PSI (10.000 PSI)
 DIN CLASS PN 160 - PN 640



STANDARDS

DESIGN ASME B16.34 - BS 5352 - DIN 3840 - EN 12516
 BUTTWELDING ENDS ASME B16.25 - DIN 2559 - EN 12627
 SOCKET WELDING ENDS ASME B16.11 - EN 12760
 OTHER END CONNECTIONS API OR NPT FEMALE THREADS / CLAMP CONNECTORS / FLANGED RTJ OR RF
 END-TO-END DIMENSIONS MANUFACTURER'S STANDARD (FLANGED VALVES ACC. THE RELEVANT STANDARD)
 PRESSURE TESTING ASME B16.34 - BS 6755 - API 598 - DIN 3230 - EN 12266

MATERIALS



01	BODY	VARIOUS (SEE BELOW)
02	SEAT	STELLITE
03	DISC	STELLITE
04	LOOSE BACKSEAT	AISI 304
05	STEM PACKING	GRAPHITE
07	GLAND FLANGE	CARBON STEEL
08	GLAND	AISI 304
09	GLAND BOLT / NUT	ASTM-A193-B7 / ASTM-A194-2H
10	STEM	17 CR (SEE BELOW)
12	YOKE	CARBON STEEL
13	YOKE SLEEVE	ALUMINIUM-BRONZE
14	HANDWHEEL	CARBON STEEL
21	NUT	STEEL ZINC PLATED
27	SPRINGWASHER	STEEL ZINC PLATED
28	SPRINGWASHER	STEEL ZINC PLATED
44	NAMEPLATE	ALUMINIUM
50	PIN	HARDENED STEEL

FEATURES

DESIGN	CONSTRUCTION	INTEGRAL BONNET (BONNETLESS) AND LOOSE BACKSEAT
	SEAT RING	HIGH TEMPERATURE VACUUM BRAZED IN SEAT RING WITH THICKNESS > 5 MM (1/5")
	OPTIONS	ALSO AVAILABLE IN ANGLE PATTERN WITH 75 MM (≤ 1") / 125 MM (≤ 2") CENTRE-TO-END
	ACCESSORIES	LIMIT SWITCHES - LOCKING DEVICE - LIVE LOADED GLAND (OTHERS ON REQUEST)
MATERIALS	BODY	SA105N (1.0460) - SA182-F12 (13CrMo 4.4) - SA182-F22 (10CrMo 9.10) - SA182-F91 (1.4903) (OTHERS ON REQUEST)
	TRIM	17CR (1.4122) / STELLITE - F316 (1.4401) / STELLITE - 431 (1.4057) (OTHERS ON REQUEST)
	STEM PACKING	GRAPHITE WITH INTEGRAL OR STAINLESS STEEL REINFORCED ANTI EXTRUSION RINGS

MAIN DIMENSIONS IN MM (INCH)

NOM. SIZE	A	B	C	D	E	F	Cv	WEIGHT KG
10 (3/8")	11 (0.43)	7 (0.28)	210 (8.27)	220 (8.66)	25 (0.98)	150 (5.91)	1.3	3.9 (8.6 LB)
15 (1/2")	11 (0.43)	11 (0.43)	210 (8.27)	220 (8.66)	25 (0.98)	150 (5.91)	2.5	3.8 (8.4 LB)
20 (3/4")	18 (0.71)	16 (0.63)	230 (9.06)	278 (10.94)	38 (1.50)	200 (7.87)	6.2	7.4 (16.3 LB)
25 (1")	18 (0.71)	20 (0.79)	230 (9.06)	278 (10.94)	38 (1.50)	200 (7.87)	6.8	7.2 (15.9 LB)
32 (1-1/4")	36 (1.42)	30 (1.18)	300 (11.81)	450 (17.72)	72 (2.83)	350 (13.78)	23.6	31.0 (68.3 LB)
40 (1-1/2")	36 (1.42)	30 (1.18)	300 (11.81)	450 (17.72)	72 (2.83)	350 (13.78)	23.6	31.0 (68.3 LB)
50 (2")	36 (1.42)	40 (1.57)	300 (11.81)	450 (17.72)	72 (2.83)	350 (13.78)	31.0	29.5 (65.0 LB)

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