

19 AUG 2005

TO: 91020 25814274

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011-91-20-2581-4274



**TECHNICAL STANDARDS & SAFETY AUTHORITY**

14th Floor, Centre Tower  
3300 Bloor Street West  
Toronto, Ontario  
Canada M8X 2X4

SAC  
19/8

August 15, 2005

Contact : ~~SHRIKANT KULKARNI~~  
GOKUL ROAD  
HUBLI, -  
INDIA 580 030

Dear Sir/Madam:

**Re: Your Design No: BDK Valve catalogues**

**Our Reference No: BPV-D-05-02336**

The above design has been registered under CRN : 0C10369.5 . A stamped copy of your statutory declaration form is enclosed.

The invoice for registration will be forwarded under separate cover.

This Registration expires on August 15, 2015.

Valid quality control system must be maintained for the fitting registration to remain valid until the expiry date.


Notes :

Yours truly

Mark Valcic, P. Eng.  
Design Review Engineer  
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<b>BDK ENGINEERING INDUSTRIES LIMITED</b> VALVE DESIGN/CONSTRUCTION, RANGE	REF. NO. : VATSCR 01	
	REV. NO. : 02	
	DATE :03 AUG 2005	
	SHEET : 01 OF 01	

PRODUCT	DESIGN / CONSTRUCTION	SIZE RANGE	DRAWING NO	PR. TEMP. RATING TECH. SPEC.NO.	
DIAPHRAGM VALVES	<b>SERIES 'S2K'</b> A) FLANGED END UNLINED RUBBER LINED	MSS SP 88 ASME B16.1 ASME B16.42 ASME B16.34 ASME B16.4	DN15 - DN350	DSCR01 REV 01	AS PER TECHNICAL SPECIFICATION NO. DVTS0007 REV 00
	B) SCREWED END (CAST IRON)		DN6 - DN80	DSCR05 REV 01	
	C) SCREWED / SOCKET WELD / BUTTWELD END ( CS / SS )		DN6 - DN100	DSCR07 REV 01	
	D) BUTTWELD / CLAMP ENDS		DN15 - DN100	DSCR10 REV 01	
DIAPHRAGM VALVES	<b>SERIES 'G2K'</b> A) FLANGED END UNLINED RUBBER LINED		DN15 - DN300	DGCR01 REV 01	AS PER TECHNICAL SPECIFICATION NO. DVTS0008 REV 01
	B) SCREWED END (CAST IRON)		DN15 - DN80	DGCR05 REV 01	
BUTTERFLY VALVES	MODEL GK12/GK12L	MSS SP 67 ASME B16.34 ASME B16.5	DN50 - DN300	GKCR01 REV 01 GKCR02 REV 01 LGCR03 REV 01 LGCR04 REV 01	AS PER TECHNICAL SPECIFICATION NO. BFTS0051 REV 00
	MODEL 91 / 91L	API 609 ASME B16.34 ASME B16.5	DN50 - DN600	91CR01 REV 01 91CR03 REV 01 91CR04 REV 01 91CR05 REV 01 91CR06 REV 01 91CR07 REV 01 91CR08 REV 01	AS PER TECHNICAL SPECIFICATION NO. BFTS0040 REV 00
	MODEL 97 / 97L		DN80 - DN300	93CR01 REV 01 3LCR01 REV 01	SPECIFICATION NO. BFTS0078 REV 00
PLUG VALVES	A) FLANGED END B) SCREWED END	API 609 ASME B16.34 ASME B16.5 ASME B16.42	DN15 - DN400 (CL.150) DN15 - DN250 (CL.300) DN15 - DN80	P2CR01 REV 01 P2CR02 REV 01 P2CR19 REV 01 P2CR06 REV 01	AS PER TECHNICAL SPECIFICATION NO. P2TS0010 REV 00
LINED VALVES	A) BALL	ASME B16.34 ASME B16.42	DN15 - DN150	BVCR05 REV 01	AS PER TECHNICAL SPECIFICATION NO. P2TS0057 REV 00
	B) PLUG	SAME AS PLUG VALVE	DN15 - DN150	P2CR17 REV 01	
	C) DIAPHRAGM	SAME AS DIAPHRAGM VALVE	DN15 - DN200	DSCR63 REV 01	AS PER TECHNICAL SPECIFICATION NO.

<b>BDK ENGINEERING INDUSTRIES LIMITED</b> <b>MATERIAL SPECIFICATION</b>		REF. NO. : VATSCR 02			
		REV. NO. : 02			
		DATE : 03 AUG 2005			
		SHEET : 01 OF 01			
<b>PRODUCT</b>		<b>MATERIAL</b>			
<b>DIAPHRAGM VALVES</b>	<b>SERIES 'S2K'</b> <b>SERIES 'G2K'</b>	<b>BODY / BONNET</b>	<b>DIAPHRAGM</b>	<b>STEM</b>	<b>HANDWHEEL</b>
		CI / DI / WCB / CF8 / CF8M / CF3 / CF3M / CC50	NATURAL / BUTYL / NEOPRENE / EPDM / HYPLON / NITRILE / PTFE / VITON / SILICON - (FOR 'S2K' ONLY)	410 / 304 / 316	CI
<b>BUTTERFLY VALVE</b>	<b>MODEL GK12 / GK12L</b>	<b>BODY</b>	<b>DISC (INTEGRAL STEM)</b>	<b>STEM</b>	<b>SEAT</b>
		WCB / CF8M	CF8M - (PFA LINED) CF8M / CW - 12 MW / N - 12NV / CN7M (UNLINED)	-----	PTFE
	<b>MODEL 91 / 91L</b>	<b>BODY</b>	<b>DISC</b>	<b>STEM</b>	<b>SEAT</b>
		WCB / LCB / CF8 / CF8M / CF3 / CF3M / CN7M / CD4MCu / CW - 12MW / N-12NV	CF8 / CF8M / CF3 / CF3M / CN7M / CD4MCu / CW - 12MW / N - 12NV	410 / 304 / 316 / 304L / 316L / ALLOY 20	PTFE / CFT / GFT / 316 / INCONEL
<b>MODEL 97 / 97L</b>	WCB / WC6 / WC9 / CF8 / CF8M	WCB / WC6 / WC9 / CF8 / CF8M	410 / 304 / 316	LAMINATED SEAT 316 / INCONEL	
<b>PLUG VALVE</b>	<b>TPGV</b>	<b>BODY &amp; COVER</b>	<b>PLUG</b>		<b>SLEEVE</b>
		DI / WCB / LCB / CF8 / CF8M / CF3 / CF3M / CN7M / CD4MCu / CW - 12MW / N-12NV	CA15 / CF8 / CF8M / CF3 / CF3M / CN7M / CD4MCu / CW - 12MW / N-12NV / M-35-1		PTFE / CFT / GFT
<b>FLUROPLASTIC LINED VALVES</b>	<b>LINED BALL VALVE</b>	<b>BODY / END PIECE</b>	<b>BALL / STEM</b>		<b>SEAT / SEAL</b>
		DI / WCB / CF8M	CF8 / CF8M		VERGIN PTFE
	<b>LINED PLUG VALVE</b>	<b>BODY &amp; COVER</b>	<b>PLUG</b>		<b>SEAT / SEAL</b>
		DI / WCB / CF8M	CF8 / CF8M		VERGIN PTFE
<b>LINED DIAPHRAGM VALVE SERIES 'S2K' ONLY</b>	<b>BODY / BONNET</b>	<b>DIAPHRAGM</b>	<b>STEM</b>	<b>HANDWHEEL</b>	
	DI / WCB / CF8M	PTFE WITH ELASTOMER BACKUP	410 / 304 / 316	CI	

### MATERIAL GRADES AND CODES

SL. NO.	MATERIAL	MATERIAL STANDARD ( ASTM )
01	CAST IRON (CI)	A 126 CL. B
02	DUCTILE IRON (DI)	A 395
03	WCB	A 216
04	LCB	A 352
05	CF8 / CF8M / CF3 / CF3M / CN7M / CD4MCu	A 351
06	CA15 / WC6 / WC9	A 217
07	CW -12MW / N - 12NV / M-35-1	A 494
08	NI RESIST	A 439 TYPE D2
09	410 / 304 / 316 / 304L / 316L	A 276 / A479 / A240