

DESCRIPTION	VENDOR NAME	LOCATION	STANDARDISATION	STRATEGIC ITEMS	CATEGORY	REMARKS
(Control Valves (Conventional and Low Noise)) D	Flow Serve (Valtek) Severn Glocon Nihon Koso	USA/India/ Australia/ France/ Germany UK Japan			A on all locations except India, which is rejected. B B	
SOLENOID VALVES O	Maxseal ASCO Herion	UK/USA USA/UK/ Germany UK/USA	YES		A A A	
ELECTRICAL ACTUATORS	Rotork Biffi Bernard	UK/USA/Italy Italy France	YES		A A A DEL ADD	
HYDRAULIC ACTUATORS	Keystone Biffi Bettis Ledden	UK Italy UK Italy	YES		A A A A	
PNEUMATIC ACTUATORS	Keystone Biffi Bettis Ledden Rotork	UK Italy UK Italy UK/USA/Italy	YES		A A A A A	
SAFETY RELIEF VALVES (Safety Valves)	Tyco (Crosby/ Anderson) Fukui Seisakusho TAI Bailey Dresser	UK/USA Japan Italy UK France	YES		A B B A A	
PITOT TUBE (Pitot Tube)	Dieterch (Annubar) Euromisure PSE Yokogawa	USA Italy USA Japan			A B A A	
ORIFICE PLATES (Flow Meter (Orifice Plate)	Yokogawa Electric ISA Controls	Japan UK			A A	
SENIOR ORIFICE PLATES	FMC	USA/Norway	YES			

DESCRIPTION	VENDOR NAME	LOCATION	STANDARDISATION	STRATEGIC ITEMS	CATEGORY	REMARKS
(Included in Gas Metering System) D	Emerson (Daniel) Imtech Alderly (Jordan Kent) Skeltonhall Oval	USA/ Singapore Netherlands UK UK Japan				
(Manufacturer:) O	Emerson (Daniel Industries) FMC Smith ISA Controls	USA/UK USA/Norway UK			A A A	
VENTURI TUBES AND FLOW NOZZLES (Venturi Tubes)	ISA Controls Euromisure Samil Industries Daniel Industries Yokogawa	UK Italy Korea USA/ Singapore Japan			A B B A A	
TURBINE METERS (Turbine Meter)	Emerson (Brooks) Oval FMC Smith Daniel Faure Herman	USA Japan USA USA/ Singapore France	YES		A B A A A	
MASS FLOW METERS (CORIOLIS) (Mass Flow Meter)	Emerson (Micromotion) Oval FMC Smith Krohne	USA Japan USA/Norway Germany	YES	H	A B A A	
POSITIVE DISPLACEMENT FLOW METERS (Positive Displacement Flow Meter)	Emerson (Brooks) Oval FMC Smith Daniel	USA Japan USA/Norway USA	YES		A B A A	I
ROTAMETERS (Flow Meter (Variable Area))	Tekyo Keiso Emerson	Japan USA			B A	
SIGHT FLOW INDICATORS (Included in package vendor's scope)	Package Vendor's recommendation	Various				
VORTEX FLOWMETERS (Flow Instrument (VORTEX))	Yokogawa	Japan	YES		A	N