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1. INFORMATION ON VALVE DESIGNATION

- 1.1 The stipulated minimum threshold percentage for local production and content for the different types of valves products, manual actuators (gearbox) and pneumatic actuators is **70%**.
- 1.2 To ensure that local production and content is discharged on manufacturing activities, the following valves products, manual actuators (gearbox) and pneumatic actuators which have been designated must be included in bid invitations:

Types of Valves	Pressure type	Size	Pressure Rating (or imperial equivalent)	% Local Content per unit
Check Valves (Non-Return valves, Reflux valves, Tilting Disk valves Double Door, Multi Door Swing Check)	Low pressure	80mm-3500mm	PN6-PN25	70%
	High pressure	80mm-2500mm	Class 150 -1500 Metric PN25 PN250	70%
Butterfly Valves (Rotating Disk valves, Rotary Control valve, Quarter Turn Gate valve)	Low pressure	80mm-3500mm	PN6-PN25	70%
	High pressure	80mm-3500mm	Class 150 -1500 Metric PN25 pN250	70%
Ball Valves (Spherical valves, Rotary valves)	Low pressure	20-300mm	PN10-PN25	70%
	High pressure	20-600mm	Class 150 - 4500 Metric PN25 PN450	70%
Gate Valves (RSVs, Wedge Gates, Sluice valves, Parallel Slides, Penstocks, Bonnet Gates, Scour valves)	Low pressure	15mm-1800mm	PN6 - PN25	70%
	High pressure	80mm-1800mm	Metric PN 25 00	70%
Diaphragm Valves (Slurry valve or Saunders valve)	Low pressure	15mm-350mm	PN10, PN16 & PN 25	70%
Knife Gate Valves	Low pressure	40mm-1200mm	PN10 & PN16	70%
Safety or Relief Valves (Pressure valve or Vacuum valve)	Low pressure	15mm-32mm	PN16	70%



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Department:
Trade, Industry and Competition
REPUBLIC OF SOUTH AFRICA

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Taps, Cocks	Low pressure	Full range	N/A	70%
Pneumatic actuators Double acting (Vein type, Linear Type, Scotch Yolk Type, Rotary Type, Double Crank Type, Rack & Pinion Type)	Low pressure	-392 000Nm torque	N/A	70%

Types of Valves	Pressure type	Size	Pressure Rating (or imperial)	% Local Content per unit
Pneumatic actuators spring return (Vein type, Linear Type, Scotch Yolk Type, Rotary Type, Double Crank Type, Rack & Pinion Type)	Low pressure	--215 000Nm torque		70%
Manual actuators (Gearboxes)	Low pressure	-200 000Nm torque	N/A	70%
Fire Hydrants (Underground) Fire Deluge valve	Low pressure	65mm inlet	PN16	70%
Pressure Reducing valve (Self-Regulating valve)	Low pressure	Full range	Full range	70%
Plug Valves (excluding expanding plug valves) (Double Block & Bleed valve)	Low pressure	20-600mm	PN10-PN26	70%
	High pressure	20-600mm	PN25-PN100	
Control valve (Globe Control valve, Piston Type Control valve)	Low pressure	25-600mm	PN10-PN25	70%
	High pressure	25-600mm	Class 150-4500 Metric PN25 PN750	
Air valve	Low pressure	50-300mm	PN10-PN25	

Lefapha la Dikgwebisano, Diintaseteri le Tiholisano • Lefapha la Kgwebo Indasteri le Phadišhano • uMnyango wezoHwebo neZimboni kanye noMncintiswano • Muhasho wa zwa Mbambadzo, Makwevho na Muṭajisano • Die Departement van Handel, Nywerheid en Mededinging • Kgoro ya Kgwebo Indasteri le Kgaisano • Ndzawulo ya Vuxavisi, Mabindzu na Mphikizano • Litiko leTekuhweba tiMboni neKuncintiswano • ISebe lezoRhwebo noShishino kunye noKhuphiswano • UmNyango wezokuRhwebelana, amaBubulo nama Phaliswano



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(Vacuum release valve)	High pressure	50-300mm	PN25-PN40
Pinch valve (slurry valve)	Low pressure	50 -800mm	PNIO -PN40
Disc valve	Low pressure	50-600mm	PNIO-PN16
Sleeve valve (Fixed Cone valves, Discharge valves, Scour valves, Howell Bunger valves Energy Dissipating valve)	Low pressure	Full range	pN25

- 1.3 The minimum of 70% local content in the case of each individual valve, manual actuator (gearbox) and pneumatic actuator designated, must be made up of the following:
 - 1.3.1 a combination of the use of locally produced and certified castings, forgings and/or fabrications, and
 - 1.3.2 verifiable manufacturing activities that shall include as a minimum, machining drilling, coating, assembling and testing of the valves in question.
- 1.4 The averaging out of local content either across any number of valve and gearbox/actuator combinations, or locally made and imported valves/other items, is not allowable.
- 1.5 Each individual valve, manual actuator (gearbox) or pneumatic actuator is subject to the minimum of 70% Local Content threshold.
- 1.6 For further information, bidders and procuring State Organs may contact the Metals Fabrication, Capital and Rail Transport unit within **the dtic** at telephone 012 394 1356 or email localcontent@thedtic.gov.za