ECCENTRIC PLUG AND SEGMENT CONTROL VALVES - TE AND TS MODELS

FCA TE model is a rotatory control valve with an eccentric plug inside. The valve plug addopts an spherical surface that when turning the plug shaft from closed to open position, the eccentric plug design lifts off the seat smoothly, so open and close torque values are minimized. TE model valves provides a good seal and high dynamic stability, in metal or soft seated designs (up to class V for metal seated and class VI for soft configuration).

TS Model control valves provide a segmented trim which can fit to a wide range of control applications and characteristic curve requirements as different bore configurations can be supplied.

Both valves are compactly designed to perform high flow coefficient values (Cv) in comparison to globe valves so costs may be reduced to meet similar working conditions. Offers high rangeability values, even over 200:1 and can achieve linear or equal percentage flow characteristic curves. FCA quarter turn radial operation TE and TS valves perform a tight shutt-off and a straight-through bore. Suitable for controlling slurries, high vicosity fluids, puld and paper, gases and vapours, etc...

Special materials for body and trim are available and flanges are supplied according to customer specifications. In sizes up to DN400/16''.

RESSURE RANGE

· ANSI CLASS 150#, 300#, 600# and 900#.

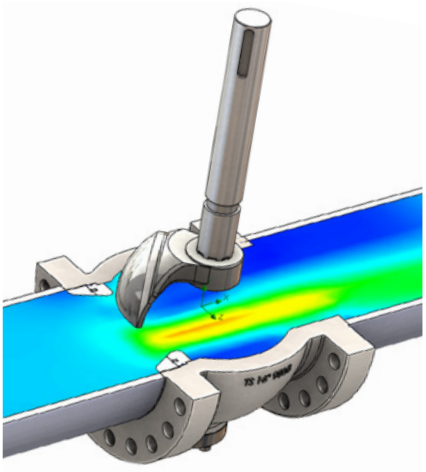
Other pressures on request.

FLOW COEFFICIENT TABLE - Standard TE valve model

SIZE	Rating Cv value			
	Valve openning travel %			
	Equal Percentage Characteristic			
	25	40	60	100
DN50 / 2''	22	36	50	81
DN80 / 3''	81	121	168	254
DN100 / 4''	116	173	243	416
DN150 / 6''	214	318	497	832
DN200 / 8''	283	451	728	1272
DN250 / 10''	578	983	1422	2254
DN300 / 12''	740	1040	1734	3121
DN400 / 16''	1272	1850	3121	5434
DN500 / 20''	1445	2659	4393	7746

OPEN FLOW PATH

TE model control valve provides an open path that gives more high rated Cv values than valves that have the stem obstruction the flow. Considering this essential point, in many cases it is possible to use a smaller and more economical valve.



Velocity distribution as result of open flow path achieving high rated flow coefficients.