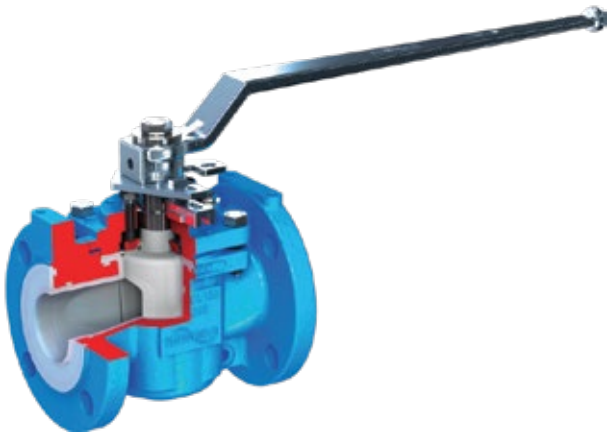
Durco®

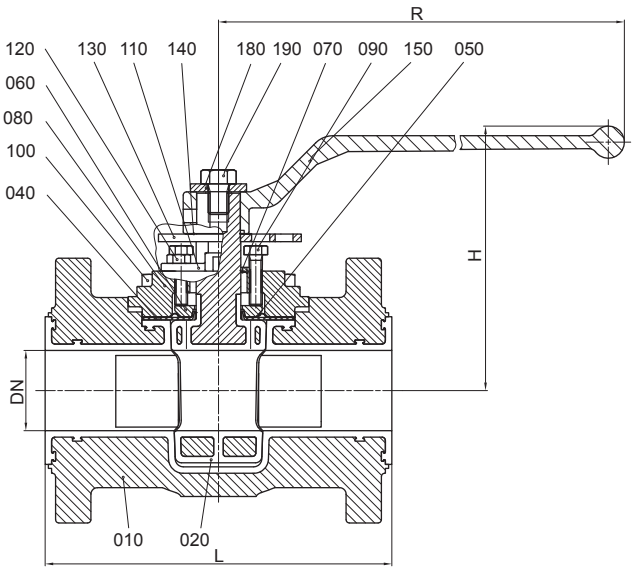
Lined Plug Valve

Type T4E3

FLOWSERVE

ALPHA GROUP





Flange Connections	ANSI B 16 5, 300lbs

The T4E series is designed and developed with the latest technology and therefore very suitable for the chemical process industries and available in the ANSI Class 150 & 300 as well DIN Class PN16 and a max. temperature of 204°C. The T4E lined plug valves provide maximum corrosion resistance and the elimination of product contamination at reasonable costs.

PFA body liner is well anchored against the body by mean of machined and cast T-slots and the solid encapsulated/anchored PFA-plug liner material ensures a strong adhesion. This makes the T4E series so suitable for extreme service and vacuum conditions.

A large sealing surface guarantees a bubble-tight shut-off.

A secondary dynamic self adjusting, self-energized PFA* reverse lip diaphragm prevents stem leakage.
You never replace valve seats; you only reseat the plug with a quick and easy in-line adjustment.

Standard material of construction is Ductil Cast Iron, however, stainless steel valve bodies can be make available upon request.

*Optional stainless steel diaphragm support.

Dimensions - mm.

Size	ANSI	L	H	R	Weight (kg)
½"	300#	139.5	139	260	4.6
¾"	300#	152.5	139	260	5.6
1"	300#	165	139	260	6.5
1½"	300#	190.5	145	260	10.1
2"	300#	216	165	410	14.0
3"	300#	282.5	179	410	23.7
4"	300#	305	222	674	42.4
6"	300#	403.5	-	-	69.2

available in size ½" - 12"

Standard Material Specifications

No.	Description	Material	No.	Description	Material
010	body	carbon steel ASTM A216 grade WCB, PFA lined	100	top cap bolt	ASTM A193 grade B7
020	plug	ductile cast iron (EN-JS1049/ASTM A395) PFA lined	110	stop	stainless steel ASTM A351/A744 grade CF-8M (316 SS)
040	diaphragm	PFA	120	stop fastener	stainless steel - 1.4301
050*	metal diaphragm	stainless steel - 302	130	stop collar	carbon steel, protective plated
060	thrust gland	machining steel - 1.0718	140	stop collar retainer	stainless steel - 302
070	grounding spring	stainless steel - 302	150	wrench	ductile cast iron (EN-JS1082/ASTM A536)
080	top cap	duplex stainless steel ASTM A351 Gr CD4MCu	180	washer	stainless steel - 1.4301
090	adjuster bolt	ASTM A193 grade B7	190	hexagon bolt	stainless steel - 1.4301

* optional