UNIDADES DE VISCOSIDAD, CONVERSIÓN Y EQUIVALENCIAS

	SISTEMA INTERNACIONAL	CEGESIMAL (c.g.s.)	OTROS
COEFICIENTE VISCOSIDAD DINÁMICA	poiseuille [=N.s/m^2 =kg/(m.s)]	poise (p) [=dina.s/cm^2 =0,1 poiseuille]	centipoise (cP) [=0,01 p =viscosidad del agua a 20ºC]
COEFICIENTE VISCOSIDAD CINEMÁTICA	m^2/s [=poiseuille/ρ] [densidad ρ=m/V $kg.m^{-3}$]	stoke(St) [=cm^2/s=poise/ρ] [densidad ρ=m/V $g.cm^{-3}$]	cSt=0,01St ; segundos(s)=tiempo de flujo con viscosímetro de copa (ver conversiones abajo)

FÓRMULAS DE CONVERSIÓN Y RANGOS PARA COPAS DE VISCOSIDAD (t=tiempo de flujo en *s* ; v=viscosidad en *cSt*)			
ASTM D1200 ø2,53 FORD-2	v=1,44(t-18,0) [40-100 s / 25-110 cSt]	**DIN 53211 (ø4)**	v=4,570t-452/t [25-150 s / 90-700 cSt]
ASTM D1200 ø3,40 FORD-3	v=2,31(t-6,58) [20-100 s / 49-220 cSt]	**ASTM D4212 Shell 1**	v=0,226(t-13) [20-80 s / 2-20 cSt]
ASTM D1200 ø4,12 FORD-4	v=3,85(t-4,49) [20-100 s / 60-370 cSt]	**ASTM D4212 Shell 2**	v=0,576(t-5) [20-80 s / 10-50 cSt]
ASTM D4212 Zahn 1	v=1,1(t-29) [35-80 s / 5-60 cSt]	**ASTM D4212 Shell 2.5**	v=0,925(t-3) [20-80 s / 20-80 cSt]
ASTM D4212 Zahn 2	v=3,5(t-14) [20-80 s / 20-250 cSt]	**ASTM D4212 Shell 3**	v=1,51(t-2) [20-80 s / 30-120 cSt]
ASTM D4212 Zahn 3	v=11,7(t-7,5) [20-80 s / 100-800 cSt]	**ASTM D4212 Shell 3.5**	v=2,17(t-1,5) [20-80 s / 40-170 cSt]
ASTM D4212 Zahn 4	v=14,8(t-5) [20-80 s / 200-1200 cSt]	**ASTM D4212 Shell 4**	v=3,45(t-1) [20-80 s / 70-270 cSt]
ASTM D4212 Zahn 5	v=23t [20-80 s / 400-1800 cSt]	**ASTM D4212 Shell 5**	v=6,5(t-1) [20-80 s / 125-520 cSt]
ISO 2431 ø3	v=0,443t-200/t [30-100 s / 5-42 cSt]	**ASTM D4212 Shell 6**	v=16,2(t-0,5) [20-80 s / 320-1300 cSt]
ISO 2431 ø4	v=1,370t-200/t [30-100 s / 35-135 cSt]		
ISO 2431 ø5	v=3,280t-220/t [30-100 s / 100-350 cSt]		
ISO 2431 ø6	v=6,900t-570/t [30-100 s / 190-680 cSt]		