



Reference: DVS 2207

INICIO

## HAYES TURBO 355

Diametros: 90 110 125 140 160 180 200 225 250 280 315 355 mm

Rangos de Presion: 0 - 6.3 Mpa / 913.73 PSI

Piston Area: 20 cm<sup>2</sup> TEPAIFP: 21.76 PSI = 0.15 Mpa = 0.15 N/mm<sup>2</sup> = 15 N/cm<sup>2</sup>

Material: PE100

1 Mpa= 145 PSI = 10 Bar = 1 N/mm<sup>2</sup>1mm=0.1cm=0.03937In=0.001217In<sup>2</sup>1mm<sup>2</sup> = 0.01 cm<sup>2</sup> = 0.00155 In<sup>2</sup>

**Nota:** Sumar la Presion de Arrastre (DRAG) APROX: 30 PSI = 0.20 Mpa = 0.20 N/mm<sup>2</sup> = 20.68 N/cm<sup>2</sup>

El DRAG se obtiene acercando los extremos de las tuberías a menos de 2 pulg. (50 mm) y aumentando la presión hasta que comienza a moverse. Libere la presión hasta que el charrión casi no se mueva y registre la presión de arrastre en psig.

+ 0.2 Mpa

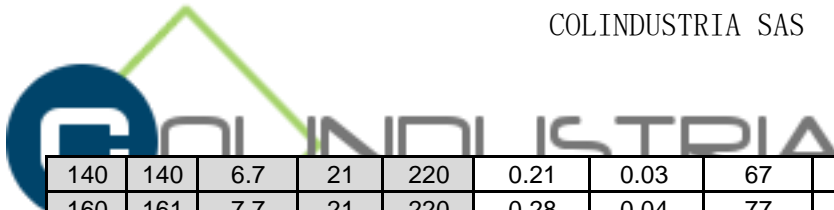
					P1	P2	T2	T3	T4	P5	T5
Diam	OD	Espesor	SDR	Temp	Presion Reborde	Presion Contacto	Tiempo Contacto	Retirar Plancha	Iniciar la Fusion	Presion de Fusion	Enfriar Con Presion
mm	mm	mm	SDR	°C	Mpa	Mpa	S	S	S	Mpa	Min
90	90.6	8.2	11	220	0.16	0.02	82	6-8	6-8	0.16	10-16
110	111	10.1	11	220	0.24	0.03	101	6-8	6-8	0.24	10-16
125	125	11.4	11	220	0.30	0.04	114	6-8	6-8	0.30	10-16
140	140	12.7	11	220	0.38	0.05	127	8-10	8-11	0.38	16-24
160	161	14.6	11	220	0.50	0.07	146	8-10	8-11	0.50	16-24
180	180	16.4	11	220	0.63	0.08	164	8-10	8-11	0.63	16-24
200	201	18.3	11	220	0.78	0.10	183	8-10	8-11	0.78	16-24
225	225	20.5	11	220	0.99	0.13	205	10-12	11-14	0.99	24-32
250	250	22.7	11	220	1.22	0.16	227	10-12	11-14	1.22	24-32
280	280	25.5	11	220	1.53	0.20	255	10-12	11-14	1.53	24-32
315	315	28.6	11	220	1.93	0.26	286	12-16	14-19	1.93	32-45
355	355	32.3	11	220	2.45	0.33	323	12-16	14-19	2.45	32-45

90	90.6	5.3	17	220	0.11	0.01	53	5-6	5-6	0.11	6-10
110	111	6.5	17	220	0.16	0.02	65	5-6	5-6	0.16	6-10
125	125	7.4	17	220	0.20	0.03	74	6-8	6-8	0.20	10-16
140	140	8.2	17	220	0.26	0.03	82	6-8	6-8	0.26	10-16
160	161	9.5	17	220	0.34	0.04	95	6-8	6-8	0.34	10-16
180	180	10.6	17	220	0.42	0.06	106	6-8	6-8	0.42	10-16
200	201	11.8	17	220	0.52	0.07	118	6-8	6-8	0.52	10-16
225	225	13.2	17	220	0.66	0.09	132	8-10	8-11	0.66	16-24
250	250	14.7	17	220	0.81	0.11	147	8-10	8-11	0.81	16-24
280	280	16.5	17	220	1.02	0.14	165	8-10	8-11	1.02	16-24
315	315	18.5	17	220	1.29	0.17	185	8-10	8-11	1.29	16-24
355	355	20.9	17	220	1.64	0.22	209	10-12	11-14	1.64	24-32

90	90.6	4.3	21	220	0.09	0.01	43	5	5	0.09	6
110	111	5.3	21	220	0.13	0.02	53	5-6	5-6	0.13	6-10
125	125	6.0	21	220	0.17	0.02	60	5-6	5-6	0.17	6-10



140	140	6.7	21	220	0.21	0.03	67	5-6	5-6	0.21	6-10
160	161	7.7	21	220	0.28	0.04	77	6-8	6-8	0.28	10-16
180	180	8.6	21	220	0.35	0.05	86	6-8	6-8	0.35	10-16
200	201	9.6	21	220	0.43	0.06	96	6-8	6-8	0.43	10-16
225	225	10.7	21	220	0.54	0.07	107	6-8	6-8	0.54	10-16
250	250	11.9	21	220	0.67	0.09	119	6-8	6-8	0.67	10-16
280	280	13.3	21	220	0.84	0.11	133	8-10	8-11	0.84	16-24
315	315	15.0	21	220	1.06	0.14	150	8-10	8-11	1.06	16-24
355	355	16.9	21	220	1.35	0.18	169	8-10	8-11	1.35	16-24

90	90.6	3.5	26	220	0.07	0.01	35	5	5	0.07	6
110	111	4.3	26	220	0.11	0.01	43	5	5	0.11	6
125	125	4.8	26	220	0.14	0.02	48	5-6	5-6	0.14	6-10
140	140	5.4	26	220	0.17	0.02	54	5-6	5-6	0.17	6-10
160	161	6.2	26	220	0.22	0.03	62	5-6	5-6	0.22	6-10
180	180	6.9	26	220	0.28	0.04	69	5-6	5-6	0.28	6-10
200	201	7.7	26	220	0.35	0.05	77	6-8	6-8	0.35	10-16
225	225	8.7	26	220	0.44	0.06	87	6-8	6-8	0.44	10-16
250	250	9.6	26	220	0.54	0.07	96	6-8	6-8	0.54	10-16
280	280	10.8	26	220	0.68	0.09	108	6-8	6-8	0.68	10-16
315	315	12.1	26	220	0.86	0.12	121	8-10	8-11	0.86	16-24
355	355	13.7	26	220	1.10	0.15	137	8-10	8-11	1.10	16-24



## Reference: ASTM F 2620

INICIO

## HAYES TURBO 355

<b>Diametros:</b>	90 110 125 140 160 180 200 225 250 280 315 355 mm	<b>1 Mpa= 145 PSI = 10 Bar = 1 N/mm<sup>2</sup></b>
<b>Rangos de Presion:</b>	0 - 6.3 Mpa / 913.73 PSI	<b>1mm=0.1cm=0.03937In=0.001217In<sup>2</sup></b>
<b>Piston Area:</b>	20 cm <sup>2</sup> TEPA	<b>1mm<sup>2</sup> = 0.01 cm<sup>2</sup> = 0.00155 In<sup>2</sup></b>
<b>IFP:</b>	75 PSI = 0.517 Mpa = 0.517 N/mm <sup>2</sup> = 51.71 N/cm <sup>2</sup> (Promedio entre 60 - 90 PSI)	
<b>Material:</b>	PE100	

**Nota:** Sumar la Presion de Arrastre (DRAG) APROX: 30 PSI = 0.20 Mpa = 0.20 N/mm<sup>2</sup> = 20.68 N/cm<sup>2</sup>

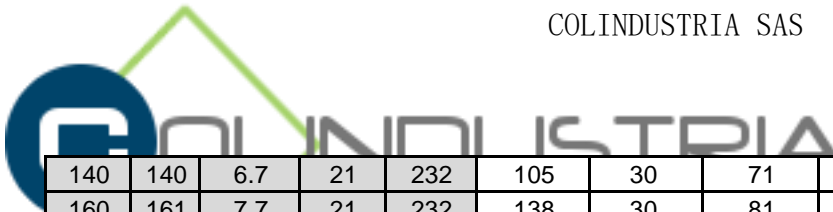
El DRAG se obtiene acercando los extremos de las tuberías a menos de 2 pulg. (50 mm) y aumentando la presión hasta que comienza a moverse. Libere la presión hasta que el charrión casi no se mueva y registre la presión de arrastre en psig.

+ 30 PSI

					P1	P2	T2	T3	T4	P5	T5
Diam	OD	Espesor	SDR	Temp	Presion Reborde	Presion Contacto	Tiempo Contacto	Retirar Plancha	Iniciar la Fusion	Presion de Fusion	Enfriar Con Presion
mm	mm	mm	SDR	°C	PSI	PSI	S	S	S	PSI	Min
90	90.6	8.2	11	232	80	30	88	8	8	80	3.6
110	111	10.1	11	232	119	30	107	10	10	119	4.4
125	125	11.4	11	232	152	30	121	10	10	152	4.9
140	140	12.7	11	232	191	30	135	10	10	191	5.5
160	161	14.6	11	232	252	30	156	15	15	252	6.3
180	180	16.4	11	232	315	30	174	15	15	315	7.1
200	201	18.3	11	232	394	30	194	15	15	394	7.9
225	225	20.5	11	232	493	30	217	15	15	493	8.9
250	250	22.7	11	232	607	30	241	15	15	607	9.8
280	280	25.5	11	232	763	30	271	15	15	763	11.0
315	315	28.6	11	232	963	30	304	15	15	963	12.4
355	355	32.3	11	232	1226	30	343	20	20	1226	14.0

90	90.6	5.3	17	232	54	30	57	8	8	54	2.3
110	111	6.5	17	232	80	30	69	8	8	80	2.8
125	125	7.4	17	232	102	30	78	8	8	102	3.2
140	140	8.2	17	232	128	30	88	8	8	128	3.6
160	161	9.5	17	232	169	30	101	10	10	169	4.1
180	180	10.6	17	232	211	30	113	10	10	211	4.6
200	201	11.8	17	232	264	30	126	10	10	264	5.1
225	225	13.2	17	232	330	30	141	10	10	330	5.7
250	250	14.7	17	232	406	30	156	15	15	406	6.4
280	280	16.5	17	232	511	30	175	15	15	511	7.1
315	315	18.5	17	232	645	30	197	15	15	645	8.0
355	355	20.9	17	232	822	30	222	15	15	822	9.0

90	90.6	4.3	21	232	44	30	46	4	4	44	1.9
110	111	5.3	21	232	65	30	56	8	8	65	2.3
125	125	6.0	21	232	83	30	63	8	8	83	2.6



140	140	6.7	21	232	105	30	71	8	8	105	2.9
160	161	7.7	21	232	138	30	81	8	8	138	3.3
180	180	8.6	21	232	173	30	91	8	8	173	3.7
200	201	9.6	21	232	216	30	102	10	10	216	4.1
225	225	10.7	21	232	270	30	114	10	10	270	4.6
250	250	11.9	21	232	333	30	126	10	10	333	5.1
280	280	13.3	21	232	419	30	142	10	10	419	5.8
315	315	15.0	21	232	529	30	159	15	15	529	6.5
355	355	16.9	21	232	673	30	180	15	15	673	7.3

90	90.6	3.5	26	232	36	30	37	4	4	36	1.5
110	111	4.3	26	232	53	30	45	4	4	53	1.8
125	125	4.8	26	232	68	30	51	4	4	68	2.1
140	140	5.4	26	232	85	30	57	8	8	85	2.3
160	161	6.2	26	232	113	30	66	8	8	113	2.7
180	180	6.9	26	232	141	30	74	8	8	141	3.0
200	201	7.7	26	232	176	30	82	8	8	176	3.4
225	225	8.7	26	232	220	30	92	8	8	220	3.7
250	250	9.6	26	232	272	30	102	10	10	272	4.2
280	280	10.8	26	232	341	30	114	10	10	341	4.7
315	315	12.1	26	232	431	30	129	10	10	431	5.2
355	355	13.7	26	232	549	30	145	10	10	549	5.9