



Performance Under Pressure

High Pressure Hoses

10,440 - 43,500 PSI
(720 - 3000 bar)
5mm - 25mm ID



Technical Data:

Working pressure:	Max. 43,500 PSI (3000 bar)
Hose inner layer:	POM (Polyoxymethylene)
Pressure hose section:	Six (6) layers of highest tensile strength steel wire braid
Hose outer layer:	Polyamide (PA)
Armature:	High pressure steel fitting with 59° cone

Hose components: See page 3

Hose ID (mm)	Max. Pressure PSI (bar)	Hose OD in. (mm)	Bending Radius in. (mm)	Length Ft. (M)	Part No.
5	36,250 (2500)	.53" (13.4)	7.9" (200)	32.8 (10)	XP7006367
				49.2 (15)	XP7006368
				65.6 (20)	XP7006369
5	43,500 (3000)	.60" (15.3)	8.7" (220)	65.6 (20)	XP7000471
8	36,250 (2500)	.70" (17.8)	10.2" (260)	32.8 (10)	XP7006370
				49.2 (15)	XP7006371
				65.6 (20)	XP7006372
8	43,500 (3000)	.77" (19.5)	11.0" (280)	65.6 (20)	XP7000476

Fitting: M14x1.5 L.H.

Subject to change without notice

High Pressure Hoses 13mm - 25mm ID

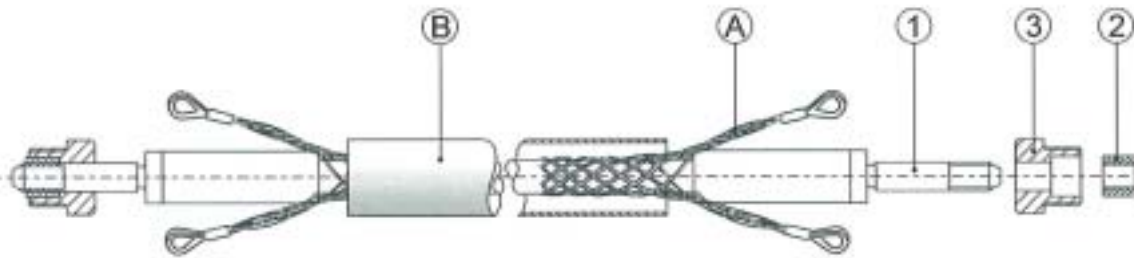
Hose ID (mm)	Max. Operating Pressure PSI (bar)	O.D. in. (mm)	Fitting Cap Nut, f	Length feet (meter)	Part No.
10	20,300 (1400)	.76" (19.4)	M24x1.5 DKO Hex. = 30	16.4 (5)	XP7002971
				65.6 (20)	XP7002972
				131.2 (40)	XP7002973
12 - 13	10,440 (720)	.97" (24.6)	M22x1.5 DKL Hex. 27	16.4 (5)	XP7000490
				65.6 (20)	XP7000491
				131.2 (40)	XP7000492
	15,950 (1100)	1.0" (25.4)	M24x1.5 DKO Hex. = 30	16.4 (5)	XP7000494
				65.6 (20)	XP7000495
				131.2 (40)	XP7000496
	20,300 (1400)	1.2" (29.5)	M24x1.5 DKO Hex. = 30	16.4 (5)	XP7000498
				65.6 (20)	XP7000499
				131.2 (40)	XP7000500
	26,100 (1800)	.96" (24.5)	M24x1.5 DKO Hex. = 30	16.4 (5)	XP7000502
				65.6 (20)	XP7000503
				131.2 (40)	XP7000504
20	14,500 (1000)	1.2" (30)	M36x2 DKO Hex. = 41	16.4 (5)	XP7000518
				65.6 (20)	XP7000519
				131.2 (40)	XP7000520
	20,300 (1400)	1.3" (33)	M36x2 DKO Hex. = 41	16.4 (5)	XP7002987
				65.6 (20)	XP7002988
				131.2 (40)	XP7002989
25	10,875 (750)	1.5" (37)	M42x2 DKO Hex. = 50	16.4 (5)	XP7000530
				65.6 (20)	XP7000531
				131.2 (40)	XP7000532

Double Nipple + Red. Double Nipple	Hose ID (mm)	Pressure PSI (bar)	Part No.
M 22x1.5 DKL	13	14,500 (1000)	XP1051631
M 24x1.5 DKO	13	21,750 (1500)	XP1050671
M 36x2 DKO	20	21,750 (1500)	XP1050672
M 42x2 DKO	25	9,425 (650)	XP5040190
M 22x1.5 DKL - M 24x1.5 DKO	13	21,750 (1500)	XP7001628
M 24x1.5 DKO - M 36x2 DKO	13	21,750 (1500)	XP1050673
M 36x2 DKO - M 42x2 DKO	13	14,500 (1000)	XP1051709
M 22x1.5 nose - M 22x1.5 DKL	13	14,500 (1000)	XP1050014
M 22x1.5 nose - M 24x1.5 DKO	13	21,750 (1500)	XP1050340
M 22x1.5 nose - M 36x2 DKO	13	21,750 (1500)	XP1050548
M 30x1.5 nose - M 24x1.5 DKO	20	21,750 (1500)	XP1050648
M 30x1.5 nose - M 36x2 DKO	20	21,750 (1500)	XP1050571
M 30x1.5 nose - M 42x2 DKO	20	21,750 (1500)	XP1051726
M 38x1.5 nose - M 36x2 DKO	25	14,500 (1000)	XP7004182
M 38x1.5 nose - M 42x2 DKO	25	14,500 (1000)	XP1051062

Hose Safety Devices	Hose ID (mm)	Part No.
Steel wire loop & spring system	10 - 20	XP7002804
	25	XP7002805
Aluminum half-shells	13	XP7002806
	20 - 25	XP7002807

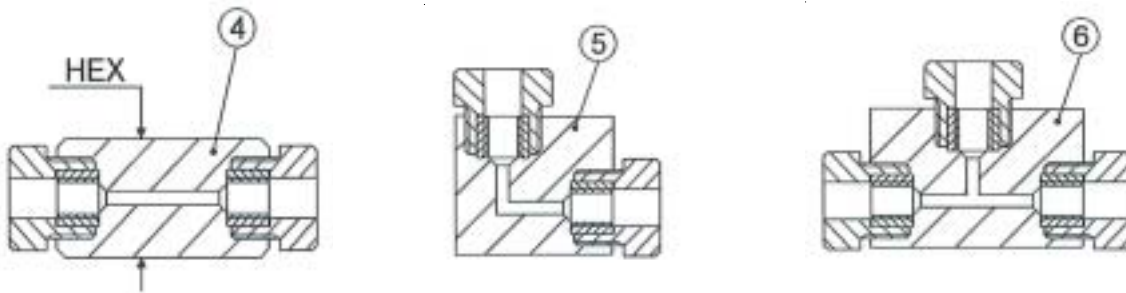
Additional sizes and fitting types available upon request

High Pressure Hose Components



Hose components include: High pressure hose (Item 1)
 Steel mesh grip for secure attachment (Item A)
 Protective hose cover (Item B)

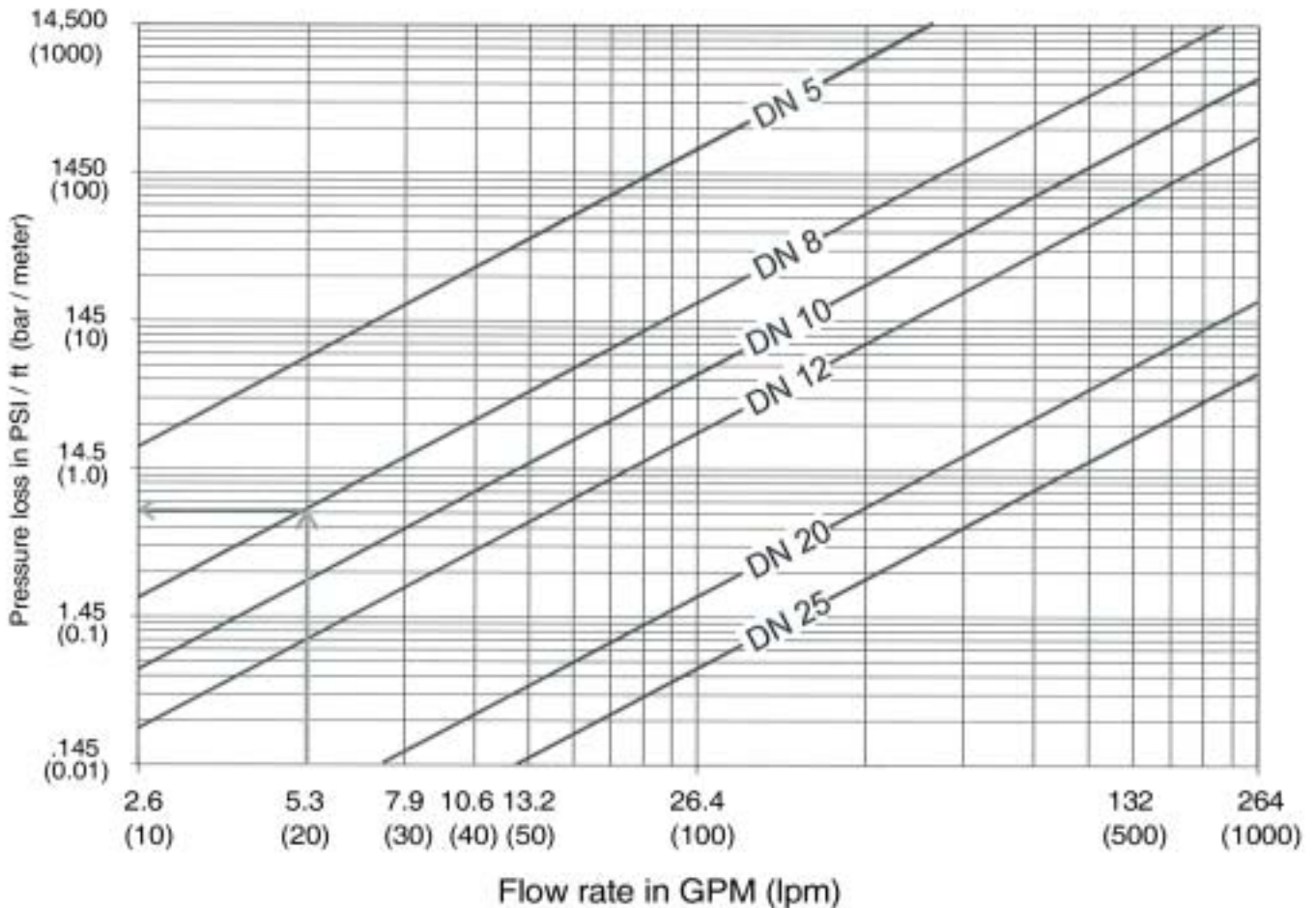
Connection Elements



Item No.	Description	Fitting	Part no.
1	High pressure hose (includes items A & B)	M 14x1.5 LH	See page 1
2	Pressure ring	M 14x1.5 LH	XP7006365
3	Pressure screw	9/16"-18 UNF LH	XP7006966
4	Connector ID 5 (Includes 2 each of items 2 & 3)	M 26x1.5	XP7006364
5	90 degree elbow ID 5 (Includes 2 each of items 2 & 3)	M 26x1.5	XP7006362
6	"T" fitting (Includes 2 each of items 2 & 3)	M 26x1.5	XP7006363

Pressure loss in high pressure hoses

With the use of the diagram below, approximate pressure loss in a straight hose line can be estimated. Hose fittings are not considered in determining the losses. Values are calculated by the amount of flow and the inside diameter of the hose. The chart is based on a given hose length of 3.3ft (1M).



Example: Capacity = 5.28 GPM (20 l/min)
 Hose ID = .31" (8mm)
 Hose length = 65.6 ft (20M)

Solution: According to the diagram, pressure loss is: 2.21 PSI / ft (.5 bar / M)
 Therefore, the total pressure loss will be: 2.21 PSI x 65.6ft = 145 PSI



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