

Product Search

Selection Guide

INTRODUCTION

This guide is organized by product type, then pressures from highest to lowest, including flows and other notes that may help aid with your search. Click on the product series to take you to that product page for more information. If you don't see what you need or are unsure of your selection, please contact your [local TESCO M representative](#) or contact [TESCOM direct](#).

To start your search, click on one of the product types below:

[Pressure Reducing Regulators](#)

[Backpressure Regulators](#)

[Valves](#)

Pressure Reducing Selection Guide

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| INLET PRESSURE RATING | OUTLET PRESSURE RATING | C _v | AVAILABLE LOADING TYPES | SENSING TYPE | NOTES | SERIES |
|--|--|------------------------|---|--------------|---|-------------------------|
| 20,000 psig / 1379 bar 15,000 psig / 1034 bar | 20,000 psig / 1379 bar 15,000 psig / 1034 bar | 0.06, 0.12 | Spring | Piston | Water-based media 20,000 psig / 1379 bar model available Oil and Gas hydraulics | 50-2200 |
| 10,000 psig / 690 bar 5000 psig / 345 bar (Aluminum) | 450 psig / 31.0 bar | 0.50 | Spring Only | Piston | H ₂ onboard vehicle | 20-1200 |
| 10,000 psig / 690 bar 6000 psig / 414 bar (Brass) | 10,000 psig / 690 bar | 0.02, 0.06, 0.12, 0.30 | Spring, Dome, Air, Dome / Spring Biased | Piston | Versatile 20,000 psig / 1379 bar model available | 26-1000 |
| 10,000 psig / 690 bar 6000 psig / 414 bar (Brass) | 10,000 psig / 690 bar | 0.46, 1.3 | Dome Only | Diaphragm | High flow, high pressure | 26-1100 |
| 10,000 psig / 690 bar 6000 psig / 414 bar (Brass) | 10,000 psig / 690 bar | 0.02, 0.06, 0.12, 0.30 | Spring, Dome, Air, Dome / Spring Biased | Piston | Segregated and captured vent Commonly used with ER3000 20,000 psig / 1379 bar model available | 26-2000 |
| 10,000 psig / 690 bar 6000 psig / 414 bar (Brass) | 6000 psig / 414 bar | 0.02, 0.06, 0.12 | Spring, Air | Piston | Economical, versatile | 44-1100 |
| 10,000 psig / 690 bar | 10,000 psig / 690 bar | 0.02, 0.06, 0.12, 0.30 | Spring, Dome, Air, Dome / Spring Biased | Piston | Water-based media 20,000 psig / 1379 bar model available Oil and Gas hydraulics | 50-2000 |

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| 10,000 psig / 690 bar | 10,000 psig / 690 bar | 0.06 | Spring, Dome, Air, Dome / Spring Biased | Piston | Oil-based media Oil and Gas hydraulics | 54-2000 |
| 8000 psig / 552 bar | 6000 psig / 414 bar | 2.0 | Spring, Dome, Air, Dome / Spring Biased | Piston | High flow Hydraulic only | 54-2200 |
| 6000 psig / 414 bar | 6000 psig / 414 bar | 3.3, 6.0, 12.0 | Dome Only | Diaphragm | High flow, high pressure | 26-1200 |
| 6000 psig / 414 bar | 250 psig / 17.2 bar | 0.08, 0.24 | Spring, Dome, Air | Diaphragm | Sensitive Non-venting | 26-1500 |
| 6000 psig / 414 bar | 500 psig / 34.5 bar | 0.08, 0.24 | Spring, Dome, Dome / Spring Biased | Diaphragm | Sensitive Venting | 26-1600 |
| 6000 psig / 414 bar | 400 psig / 27.6 bar (600 psig / 41.4 bar Dome and Air) | 0.30 | Spring, Dome, Air | Piston | Segregated and captured vent | 44-1500 |
| 6000 psig / 414 bar | 2500 psig / 172 bar | 0.02, 0.06, 0.24 | Spring, Air, Dome / Spring Biased | Piston | Economical | 44-1800 |

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| 6000 psig / 414 bar | 1500 psig / 103 bar | 0.70, 2.0 | Dome/ Spring Biased, Air | Piston | Differential pressure control Commonly used with ER3000 | 44-4000 |
| 6000 psig / 414 bar | 5000 psig / 345 bar | 0.80, 2.0 | Dome Only | Piston | High flow, high pressure | 44-4200 |
| 6000 psig / 414 bar | 500 psig / 34.5 bar | 0.02 | Spring Only | Diaphragm | Vaporizing, Steam, Electric | 44-5800 |
| 6000 psig / 414 bar 4500 psig / 310 bar (Brass) | 5000 psig / 345 bar | 0.80, 2.0 | Spring Only | Piston | High flow, high pressure | 44-7400 |
| 6000 psig / 414 bar | 1800 psig / 124 bar | 0.06, 0.15 | Spring | Piston | Compact design | BB-1 |
| 6000 psig / 414 bar | 600 psig / 41.4 bar | 0.02 | Spring Only | - | In-line Miniature | BE |
| 6000 psig / 414 bar | 0-1500 psig / 0-103 bar 0-2500 psig / 0-172 bar | 0.06 | Spring | Piston | Laboratory Point-of-Use High outlet pressure Venting option | High Pressure Point-of-Use |

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|---|---|------------------|-------------------------|--------------|---|---------------------------------|
| 5000 psig / 345 bar | 5000 psig / 345 bar | 8.0 | Dome, Air | Piston | High flow Hydraulic only | 54-2800 |
| 4500 psig / 310 bar 3000 psig / 206 bar | 250 psig / 17 bar | 0.06 0.20 | Spring Only | Diaphragm | Single-stage, low flow | SG1 |
| 4500 psig / 310 bar | 250 psig / 17 bar | 0.06 | Spring only | Diaphragm | Two-stage, low flow | SG2 |
| 4500 psig / 310 bar | 250 psig / 17 bar | 1.0 | Spring only | Diaphragm | Single-stage, high flow | SG3 |
| 4500 psig / 310 bar 3750 psig / 259 bar (Brass) | 1500 psig / 103 bar | 0.80, 2.0 | Spring, Air | Piston | High pressure, high flow | 44-1300 |
| 4500 psig / 310 bar | 28 inch-Hg - 350 psig / 948 mbar - 24.1 bar | 0.02, 0.06, 0.24 | Spring, Dome | Diaphragm | Sub-atmospheric | DA |
| 4350 psig / 300 bar DIN477-5; 2900 psig / 200 bar DIN477-1 | 4350 psig / 300 bar | 0.06 | Spring Only | Piston | Assembled with cylinder connection, gauges and relief valve | 44-1100 Mod 834 |

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| 4350 psig / 300 bar, 2900 psig / 200 bar | 290 psig / 20.0 bar | 0.06 | Spring Only | Diaphragm | Laboratory - general purpose Cylinder regulator 1-stage / 2-stage With or without flowmeters | WEGA 1 and 2 |
| 3625 psig / 250 bar | 580 psig / 40.0 bar | 1.4 | Spring Only | Diaphragm | Starting ship diesel engines Very high flow | Uranus |
| 3600 psig / 248 bar | 150 psig / 10.3 bar | 0.8 | Spring Only | Piston | Constructed for onboard compressed natural gas (CNG) in trucks and buses | 20-1100 |
| 3500 psig / 241 bar | 100 psig / 6.9 bar | 0.02, 0.06, 0.15, 0.24 | Spring Only | Diaphragm | Compact Lecture bottles | 04 |
| 3500 psig / 241 bar | 320 psig / 22.1 bar | 0.50 | Spring Only | Piston | Onboard CNG vehicle | 20-1000 |
| 3500 psig / 241 bar | 500 psig / 34.5 bar | 0.02, 0.06, 0.15, 0.24 | Spring, Dome, Dome/Spring Biased | Diaphragm | Versatile | 44-2200 |
| 3500 psig / 241 bar | 150 psig / 10.3 bar | 0.02, 0.06, 0.15, 0.24 | Spring, Dome, Dome/Spring Biased | Diaphragm | Sensitive | 44-2600 |

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| 3500 psig / 241 bar | 250 psig / 17.2 bar | 0.02, 0.06, 0.15, 0.24 | Spring Only | Diaphragm | Two-stage | 44-3400 |
| 3500 psig / 241 bar | 28 inch-Hg - 100 psig / 948 mbar - 6.9 bar | 0.02, 0.06, 0.15, 0.24 | Spring, Dome | Diaphragm | Sub-atmospheric | 44-5000 |
| 3500 psig / 241 bar | 600 psig / 41.4 bar | 0.02, 0.06, 0.15, 0.24 | Spring, Dome, Air, Dome/ Spring Biased | Piston | Economical | 44-5200 |
| 3500 psig / 241 bar | 250 psig / 17.2 bar | 0.06, 0.15 | Spring | Diaphragm | Low flow 1/4" Point-of-Use | 64-2600 |
| 3500 psig / 241 bar | 150 psig / 10.3 bar | 0.06, 0.15 | Spring | Diaphragm | Low flow 1/4" Gas Cabinet | 64-2800 |
| 3500 psig / 241 bar | 150 psig / 10.3 bar | 0.06, 0.15 | Spring | Diaphragm | Two-stage | 64-3400 |
| 3500 psig / 241 bar | 150 psig / 10.3 bar | 0.06, 0.15 | Spring | Diaphragm | Low flow 1/4" Gas Cabinet | 64-3600 |
| 3500 psig / 241 bar | 100 psig / 6.9 bar | 0.06, 0.15, 0.24 | Spring | Diaphragm | Sub-atmospheric | 64-5000 |

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|---|---|--------------------|---|--------------|--|---|
| 3500 psig / 241 bar | 150 psig / 10.3 bar | 0.06, 0.15 | Spring | Diaphragm | Premium Low flow 1/4" Point-of-Use | 74-2400 |
| 3500 psig / 241 bar | 150 psig / 10.3 bar | 0.5 | Spring | Diaphragm | Premium Medium flow 1/2" Point-of-Use | 74-3000 |
| 3500 psig / 241 bar | 150 psig / 10.3 bar | 0.5 | Spring | Diaphragm | Premium Medium flow 1/2" Point-of-Use and Gas Cabinet | 74-3800 |
| 3450 psig / 238 bar, 400 psig / 27.6 bar, 3045 psig / 210 bar, 500 psig / 34.5 bar | 500 psig / 34.5 bar, 200 psig / 13.8 bar | 0.06, 0.15, 1.0 | Spring Only | Diaphragm | Laboratory - line regulator High Flow Adjustable | Line Pressure Reducer 6.0 |
| 3000 psig / 207 bar | 500 psig / 34.5 bar | 1.0 | Dome | Piston | With integral pilot | CP32 |
| 3000 psig / 207 bar | 150 psig / 10.3 bar | 0.16 | Spring Only | Diaphragm | Tied diaphragm | 44-2800 |
| 3000 psig / 207 bar | 200 psig / 13.8 bar | 1.0, 1.8 | Spring, Dome, Dome/ Spring Biased | Diaphragm | Medium flow | 44-3200 |

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| 3000 psig / 207 bar | 150 psig / 10.3 bar | 0.05 | Spring | Diaphragm | Two-stage Tied diaphragm | PS-3400 |
| 2900 psig / 200 bar | 0.725-22 psig / 0.05-1.5 bar, 22-290 psig / 1.5-20.0 bar | 0.2 | Spring Only | Diaphragm | Laboratory Very accurate outlet pressure control Very low pressures | Labo-F and Doppelregulus |
| 2900 psig / 200 bar | 290 psig / 20.0 bar | 0.2 | Spring Only | Diaphragm | Laboratory Medium flow Very accurate pressure control | Labo |
| 2900 psig / 200 bar | 100 psig / 6.9 bar | 0.06 | Spring Only | Diaphragm | Laboratory - Stainless Steel Corrosive gases Captured bonnet Inert gas purging | WEGA Corrosive Gases and Purging |
| 2900 psig / 200 bar | 145 psig / 10.0 bar | 0.02 | Spring Only | Diaphragm | Laboratory - Cylinder version Lightweight and compact | WEGA Mini |
| 1500 psig / 103 bar | 150 psig / 10.3 bar | 1.2 | Spring | Diaphragm | High flow 1/2" Gas Cabinet (BSGS) | 64-3200 |
| 1500 psig / 103 bar | 400 psig / 27.6 bar | 1.0 | Spring | Diaphragm | High flow Gas Cabinet (BSGS) | 449-254 |

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| 1000 psig / 69.0 bar | 700 psig / 48.3 bar (Dome) 600 psig / 41.4 bar (Air) | 0.35 | Dome, Air | Diaphragm | Commonly used with ER3000 | DK |
| 600 psig / 41.4 bar | 150 psig / 10.3 bar | 1.0, 1.2 | Spring | Diaphragm | High flow 1/2" Point-of-Use | 64-5400 |
| 600 psig / 41.4 bar | 150 psig / 10.3 bar | 1.0, 1.2 | Spring | Diaphragm | BA Grade 1/2" Point-of-Use | 22-5400 |
| 600 psig / 41.4 bar | 150 psig / 10.3 bar | 0.24 | Spring | Diaphragm | BA Grade 1/4" Point-of-Use | 22-2200 |
| 580 psig / 40.0 bar | 145 psig / 10.0 bar | 0.06 | Spring Only | Diaphragm | Laboratory - Point-of-Use VCR® threads | Ultra High Purity MiniLabo 2 |
| 580 psig / 40.0 bar | 580 psig / 40.0 bar | 0.8, 2.0 | Spring Only | Piston | Flanges according to DIN EN 1092-1 | 44-1300F |
| 580 psig / 40.0 bar | 500 psig / 34.5 bar | 0.06, 0.15 | Spring Only | Diaphragm | Flanges according to DIN EN 1092-1 | 44-2200F |

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| 580 psig / 40.0 bar | 28 inch-Hg-200 psig / 948 mbar-13.8 bar | 1.0, 1.8 | Spring Only | Diaphragm | Flanges according to DIN EN 1092-1 | 44-3200F |
| 580 psig / 40.0 bar | 500 psig / 34.5 bar | 0.06, 0.15 | Spring Only | Piston | Flanges according to DIN EN 1092-1 | 44-5200F |
| 580 psig / 40.0 bar | 250 psig / 17.2 bar | 5.0 | Spring (H/W), Dome | Diaphragm | Flanges according to DIN EN 1092-1 | DHF |
| 500 psig / 35 bar | 500 psig / 35 bar | 0.12 | Dome / Spring biased | Diaphragm | Differential Pump seal tracking | SJS |
| 500 psig / 34.5 bar | 150 psig / 10.3 bar | 1.0, 1.8 | Spring, Dome | Diaphragm | Pharmpure™ | PH-3200 |
| 500 psig / 34.5 bar | 250 psig / 17.2 bar | 5.0 | Spring, Dome, Air, Dome/Spring Biased | Diaphragm | High flow | DH |
| 500 psig / 34.5 bar | 150 psig / 10.3 bar | 1.8 | Spring, Dome, Air | Diaphragm | Low pressure, medium flow | FR-2000 |

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| 400 psig / 27.6 bar | 28 inch-Hg-100 psig / 948 mbar-6.9 bar | 0.02, 0.06, 0.24 | Spring, Dome, Air, Dome/Spring Biased | Diaphragm | Sub-atmospheric | 44-4600 |
| 300 psig / 20.7 bar | 150 psig / 10.3 bar | 10.0 | Spring, Dome, Air | Diaphragm | High flow | DG |
| 300 psig / 20.7 bar | 250 psig / 17.2 bar | 5.0 | Spring, Dome | Diaphragm | Welded connections | DH-16 |
| 300 psig / 20.7 bar | 130 psig / 9.0 bar | 15.0 | Spring | Diaphragm | High flow Facility | 15 |
| 300 psig / 20.7 bar | 250 psig / 17.2 bar | 5.0 | Spring, Dome | Diaphragm | Pharmpure™ | PH-1600 |
| 300 psig / 20.7 bar | 250 psig / 17.2 bar | 10.0 | Spring, Dome | Diaphragm | Pharmpure™ | PH-1800 |
| 290 psig / 20.0 bar (580 psig / 40.0 bar) | 145 psig / 10.0 bar | 0.03 | Spring Only | Diaphragm | Laboratory, R&D Point-of-Use Suitable for ECD (Electronic Capture Detector) Very compact | MiniLabo 2 |

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| 250 psig / 17.2 bar | 150 psig / 10.3 bar | 1.8 | Spring | Diaphragm | Premium High flow 1/2" Point-of-Use | 23 |
| 290 psig / 20.0 bar | 22 psig / 1.5 bar | 0.78 | Spring Only | Diaphragm | Laboratory - inline Extremely sensitive outlet pressure control | Regulus 3 |
| 290 psig / 20.0 bar | 58 psig / 4.0 bar | 2.1 | Spring Only | Diaphragm | Laboratory - inline Accurate and sensitive outlet pressure control | Regulus 4 |
| 150 psig / 10.3 bar | 100 psig / 6.9 bar | 0.02, 0.06, 0.15, 0.24 | Spring, Dome, Dome/Spring Biased | Diaphragm | Pharmpure™ | PH-2200 |
| 150 psig / 10.3 bar | 100 psig / 6.9 bar | 0.02, 0.06, 0.15, 0.24 | Spring, Dome, Dome/Spring Biased | Diaphragm | Pharmpure™ | PH-2600 |
| 150 psig / 10.3 bar | 100 psig / 6.9 bar | 0.04 | Spring | Diaphragm | Miniature 1/4" Point-of-Use (IGS) | 12 |
| 116 psig / 8.0 bar | 12 psig / 0.83 bar | 0.23 | Spring Only | Diaphragm | Laboratory - inline Very accurate pressure control | Regulus Stainless Steel |